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TEXTILE
ORGANON

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MONTHLY REVIEW

Highlights

Textile Organon *Features:*

1986 Listing of Man-Made Fiber Producers . . . begins on page 256.

Third Quarter 1986 Production of Noncellulosic Yarn+Monofilaments and Staple+Tow records modest gain. . . see pages 270-271.

Third Quarter Inventories of Noncellulosic Yarn+Monofilaments and Staple+Tow are Falling . . . . see pages 270-271.

In October, shipments of noncellulosic yarn+monofilaments totaled 330.3 million pounds, up 0.8% from the 327.8 million pounds shipped in September.

- ***Nylon industrial yarn*** shipments rose by 21% to 31.1 million pounds.
- ***Nylon carpet yarn*** shipments fell to 77.6 million pounds, down 7.5%.
- ***Polyester industrial yarn*** shipments increased by 9% to 27.8 million pounds.

Shipments of noncellulosic staple+tow, during October, rose to 361.9 million pounds, a modest gain of 0.2% from the 361.0 million pounds shipped during the month of September.

- ***Acrylic staple+tow*** shipments fell nearly 4% to 53.7 million pounds.
- ***Olefin+Vinyon staple*** shipments increased to 28.3 million pounds, up 8.4%.

Cellulosic staple shipments rose by almost 7% to 35.6 million pounds.

TABLE 1:
TOTAL MAN-MADE FIBER SHIPMENTS

MILLION POUNDS & *PERCENT*

ITEM	1986		%[a]	1985	%[b]	YEAR TO DATE		%[c]
	OCT	SEPT		OCT		1986	1985	
YARN+MONOFILAMENTS								
CELLULOSIC YARN	**17.5**	**17.6**	***-0.6***	**17.6**	***-0.6***	**178.9**	**174.5**	***+2.5***
NYLON[d] - INDUSTRIAL	31.1	25.7	*+21.0*	25.6	*+21.5*	275.4	288.2	*-4.4*
- CARPET	77.6	83.9	*-7.5*	76.7	*+1.2*	750.4	686.3	*+9.3*
- TEXTILE[e]	30.0	30.2	*-0.7*	30.4	*-1.3*	302.7	295.6	*+2.4*
POLYESTER - INDUSTRIAL	27.8	25.5	*+9.0*	25.1	*+10.8*	260.0	243.5	*+6.8*
- TEXTILE[e]	74.1	72.3	*+2.5*	89.2	*-16.9*	712.9	859.0	*-17.0*
OLEFIN	89.7	90.2	*-0.6*	75.4	*+19.0*	850.7	790.0	*+7.7*
TOTAL NONCELLULOSIC ABOVE	**330.3**	**327.8**	***+0.8***	**322.4**	***+0.8***	**3152.1**	**3162.6**	***-0.3***
STAPLE+TOW+FIBERFILL								
RAYON	**35.6**	**33.3**	***+6.9***	**33.6**	***+6.0***	**334.8**	**298.3**	***+12.2***
NYLON[d]	91.4	91.4	*- -*	75.6	*+20.9*	753.9	693.6	*+8.7*
ACRYLIC+MODACRYLIC	53.7	55.8	*-3.8*	58.7	*-8.5*	523.3	550.4	*-4.9*
POLYESTER	188.5	187.7	*+0.4*	180.8	*+4.3*	1766.1	1703.0	*+3.7*
OLEFIN+VINYON	28.3	26.1	*+8.4*	24.9	*+13.7*	275.0	241.0	*+14.1*
TOTAL NONCELLULOSIC ABOVE	**361.9**	**361.0**	***+0.2***	**340.0**	***+6.4***	**3318.3**	**3188.0**	***+4.1***

-- -- Means no change.

a. Percent change from previous month to current month.

b. Percent change to current month from same month last year.

c. Percent change from cumulative total last year to cumulative total this year.

d. Nylon excludes Aramid.

e. Low denier industrial Nylon and Polyester is included with Textile.

Also see footnotes on last page of this issue.

Textile Organon

A Monthly Review

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DATAGRAM

MODEST GAIN OF THIRD QUARTER PRODUCTION

Third quarter 1986 production of noncellulosic yarn+monofilaments and staple+tow improved by 1.9% from second quarter levels.

- Yarn production increased by 1.6% to 938.7 million pounds.
- Staple production rose by 2.2% to 1000.9 million pounds.

INVENTORIES ARE FALLING

Inventories of noncellulosic yarn+monofilaments and staple+tow continue to fall for the third consecutive quarter of this year.

- Third quarter 1986 inventories, for both yarn and staple, fell by 4.6% from second quarter 1986 levels, and 6.6% from first quarter 1986.

BASF INTRODUCES NEW RAYON FOR JERSEY FABRICS

BASF Fibers has introduced a new high-speed rayon product. The new rayon gives a softer hand to knit jersey fabrics. The company is upgrading its production facilities for the fiber in its Tennessee plant. (Knitting Times, September 1986)

DUPONT TO SELL PART OF ITS NONWOVEN BUSINESS

DuPont has signed a letter of intent to sell the worldwide business for its Remay spunbonded nonwovens and the U.S. based business for its Typar spunbonded nonwovens to Intertech Group of Charleston, S.C. Remay and Typar are two of DuPont's four spunbonded nonwoven products. The others are Tyvek and Sontara, which the company is retaining. The deal will include manufacturing facilities for Remay and Typar in Old Hickory, Tenn., patents, technology and inventories. Not included is DuPont's Typar plant in Luxembourg and it's European Typar business. According to DuPont, Remay and Typar "no longer fit our long-range business objectives". (DNR 10/8/86)

COURTAULDS TO AQUIRE CYANAMID FIBERS UNIT

Courtaulds may be about to enter the U.S. acrylics market with the aquisition of American Cyanamid's acrylic fibers operation. An aquisition of this kind would make Courtaulds the world's top acrylic fiber producer. (ECN 11/3/86)

1986 DIRECTORY OF U.S. MAN-MADE FIBER PRODUCERS

NOTES & DEFINITIONS

This directory of producers is divided into the following categories:

(1) Cellulosic plus Noncellulosic Fibers
(2) Olefin Fiber
(3) Textile Glass Fiber

The locality shown represents a plant site. Unless shown separately, the Head Sales Office address is the same as the Executive Office address.

The generic fiber names used in this survey are those established by the U.S. Federal Trade Commission (FTC). The *italicized* words are trademarks. All other fiber names are generic and appear in regular type.

● Indicates a company producing olefin fiber as well as other man-made fiber(s). For example, Ametek produces olefin fiber (page 259) as well as nylon, polyester and saran.

* Indicates a new plant, in the planning stage or under construction, or a new facility for producing a new product at an existing plant. Such facilities are not expected to be operable before 1986 or later.

Yarn means filament yarn.

Monofil means an extruded monofilament and may be either a round or a rectangular (ribbon) cross-section. Monofilaments for bristles are excluded.

Film includes **Slit:** tape produced by slitting an already-attenuated wide sheet of olefin film; and **Split:** fibrilllated slit film.

Not included in this survey is the slit film used for decorative or tying ribbon and such.

Rope includes braided and twisted rope as well as filler or core fiber.

Cordage is under 3/16" and includes tying and harvest (baler and binder) twine.

Industrial Goods means bags, bale wrap and protective covers, agricultural cloth, tarps and pool covers, etc.

Captive means that most or all of the fiber produced is consumed by the company in a vertical operation.

GENERIC NAMES & TRADEMARKS

The following are generic names, in **bold** type, and a brief description of the fibers covered by each name and are shown in regular type.

GLASS FIBER

This fiber is made in two primary forms: continuous strand and staple sliver. Continuous strand is drawn fiber (i.e., from a textile-type bushing), while staple sliver, which is produced in relatively small amounts, is a blown fiber. Textile glass fiber thus ***does not*** include the substantial poundages of blown glass wool and pack, e.g., mat for air & liquid filtration, acoustical & thermal insulation, battery mats & separators and underground pipe wrap (except reinforcing).

Yarn & Strand: Continuous filament yarn and strand packaged for sale as such. Includes the yarn and strand used in the manufacture of nonwoven scrim for sale as such.

Roving: Two or more ends of untwisted strand. Includes spun strand roving (a single, continuous strand looped back on itself to give the equivalent of two or more strands) and roving for making woven roving.

Mat: Mat in any nonwoven form as made from a continuous filament, i.e., continuous strand mat (filaments bonded with a suitable binder to form a membrane) and chopped strand mat (1/2" to 3" strands deposited in a random manner and resin bonded).

Chopped: Chopped yarn, strand or roving (1/4" to 3-3/4" length).

Milled: Hammer-milled yarn, strand or roving (1-32" to 1/4" length).

Staple Yarn & Silver: A blown fiber, as noted, and means ribbons of generally parallel glass staple (3" to 15" random lengths) with or without a filament yarn reinforcement, with or without a binder, and slightly condensed to an approximately uniform cross section.

CELLULOSIC (ARTIFICIAL) FIBERS

Acetate: Cellulosic acetate. Cigarette filtration tow is excluded.

Triacetate: Cellulose acetate, wherein not less than 92% of the hydroxyl groups are acetylated.

Rayon: Regenerated cellulose, including substitutions for not more than 15% of the hydrogens of the hydroxyl groups. Includes high wet modulus fiber.

Cupra: Cuprammonium rayon.

The viscose rayon yarns are identified as **ind** (industrial or high tenacity yarn) and **reg** (regular or textile yarn).

NONCELLULOSIC (SYNTHETIC) FIBERS

Acrylic: At least 85% acrylonitrile by weight

Modacrylic: 35% to 84% acrylonitrile by weight, except when it qualifies as rubber.

Azlon: Regenerated natural protein.

Nylon: A long-chain syntnetic polyamide in which less than 85% of the amide linkages are attached directly to two aromatic rings. The types are identified as 6, 66, etc. Where a company produces both type 6 and type 66, the designation 6/66 is used.

Aramid: A long-chain synthetic polyamide in which at least 85% of the amide linkages are attached directly to two aromatic rings. In this survey, any aramid data are included with nylon.

Olefin: At least 85% ethylene, propylene or other olefin units by weight, except amorphous (noncrystalline) polyolefins qualifying as rubber. **E** means Polyethylene and **P** means Polypropylene. Also see adjoining notes on olefin fiber.

Polyester: At least 85% by weight of an ester of a substituted aromatic carboxylic acid, including but not restricted to substituted terephthalate units, and parasubstituted hydroxybenzoate units.

Saran: At least 80% vinylidene chloride by weight.

Spandex: At least 85% of segmented polyurethane.

Vinyon: At least 85% vinyl chloride by weight.

Other man-made fibers included in this survey, but not listed by the FTC, are Polycarbonate and **TFE-** & **FEP-**fluorocarbon.

Not covered in this survey are fibers which would fall under the FTC's generic designations of rubber, lastrile, metallic and novoloid. Fibers falling under the FTC designations of anidex and nytril are no longer produced.

Carbon fibers are not included in this survey.

ALBANY INTERNATIONAL-MONOFILAMENT PLANT ●

EXECUTIVE OFFICE: 156 S. Main Street, Homer, NY 13077

Fluoro	Homer, NY *Halar, Kynar, Teflon, Tefzel* (monofil)
Nylon 6, 66 & 612	Homer (monofil)
Polyester	Homer (monofil regular & hydrolysis resistant)

ALLIED-SIGNAL INC. ENGINEERED MATERIALS SECTOR, FIBERS DIVISION ●

EXECUTIVE OFFICE: 1411 Broadway, New York, NY 10018
REGIONAL SALES: 400 N. Tustin Avenue, Santa Ana, CA 92705
1775 The Exchange, Suite 160, Atlanta, GA 30339
2100 Fiber Park Drive, Dalton, GA 30720
64 South Miller Road, Akron, OH 44313

Nylon 6	Columbia, SC & Hopewell, VA *A.C.E., Anso, Anso-Tex, Anso V Worry Free, Caprolan, Captima, Captiva, Hydrofil, Nypel, Sea Gard* (yarn, monofil & staple)
Polyester	Moncure, NC *A.C.E.* (yarn & monofil)

AMERICAN CYANAMID COMPANY, FIBERS DIVISION

EXECUTIVE OFFICE: One Cyanamid Plaza, Wayne, NJ 07470
REGIONAL SALES: 350 Fifth Avenue, Suite 2602, New York, NY 10118
P.O. Box 32787, Charlotte, NC 28232

Acrylic	Milton, FL *Creslan* (staple & tow)

AMERICAN HOECHST CORPORATION

EXECUTIVE OFFICE: 202-206 North, Somerville, NJ 08876

HOECHST FIBERS INDUSTRIES DIVISION

EXECUTIVE OFFICE: 1515 Broadway, New York, NY 10036
REGIONAL SALES: 5601-77 Center Drive, Suite 250, Charlotte, NC 28210
3711 Long Beach Blvd., Suite 801, Long Beach, CA 90807

Polyester	Spartanburg, SC *Trevira* (yarn, monofil, staple & spunbonded)

AMETEK INC., SPECIAL FILAMENTS DIVISION ●

EXECUTIVE OFFICE: Box 339, Odenton, MD 21113

Nylon 6, 66, 612 & 11	Odenton, MD (monofil)
Polyester	Odenton (monofil)
Saran	Odenton (monofil)

AVTEX FIBERS INC. ●

EXECUTIVE OFFICE: Bldg. 200, Berwyn Park, Cassatt Road, P.O. Box 880, Valley Forge, PA 19482
SALES OFFICE: 1185 Avenue of the Americas, New York, NY 10036
REGIONAL SALES: 1 Fairview Plaza, 5950 Fairview Road, Suite 501, Charlotte, NC 28210

Polyester	Lewistown, PA *Avlin* (yarn)
Rayon	Front Royal, VA *Aviloc, Avril, Avril II, Avril III, Avril Prima, Fibers 40 & 43* (ind yarn & staple)

BASF CORPORATION FIBERS DIVISION

EXECUTIVE OFFICE: P.O. Drawer D, Williamsburg, VA 23187
REGIONAL SALES: 5505 East Carson Street, Suite 205, Lakewood, CA 90713

BASF CORPORATION FIBERS DIVISION
REGIONAL SALES *(CONTINUED)*:
500 Holiday Avenue, Dalton, GA 30720
111 West 40th Street, New York, NY 10018
Four Seasons Executive Center, 3A Terrace Way, Greensboro, NC 27403

Acrylic	Williamsburg, VA *Zefkrome, Zefran* (staple)
Nylon 6	Enka, NC, Anderson & Central, SC & Lowland, TN *Crepeset, Lurelon, Monosheer, Shimmereen, Vivana, Zefsport, Zeftron* (yarn & staple)
Polyester	Lowland, TN *Golden Glow, Golden Touch, Poly extra, Shanton, Silky Touch, Strialine, Ultra Touch* (yarn)
Rayon	Lowland, TN *Absorbit, Fiber 700, Zantrel* (staple)

BASF Corporation has carpet yarn spinning plants at Allendale, SC and Sylvania, GA

BERKLEY & CO. INC. ●

EXECUTIVE OFFICE: Highways 9 & 71, Spirit Lake, IA 51360

Nylon 6	Spirit Lake, IA (monofil)

CAMAC CORPORATION

EXECUTIVE OFFICE: P.O. Box 1004, Bristol, VA 24203

Nylon 6	Bristol, VA *Camalon* (yarn)

CELANESE FIBERS

A DIVISION OF CELANESE CORPORATION

(Includes former Fiber Industries plants)

EXECUTIVE OFFICE: P.O. Box 32414, Charlotte, NC 28232
MARKETER: Celanese Fibers, 1211 Avenue of the Americas, New York, NY 10036
REGIONAL SALES: 110 E. 9th Street, Room A 1229, Los Angeles, CA 90079
6000 Lake Forest Drive, Suite 300, Atlanta, GA 30328
P.O. Box 32414, Charlotte, NC 28232
2950 W. Market Street, Akron, OH 44313

Acetate	Rock Hill, SC *(Celriver)* & Narrows, VA *(Celco)* Celanese (yarn, staple & tow)
Polyester	Fayetteville, Salisbury & Shelby, NC & Darlington & Greenville, SC *Ceylon, Comfort Fiber, ESP, Fortrel, Fortrel 7, Loftguard, PolarGuard* (yarn, staple, tow & fiberfill)
PBI	Rock Hill (staple)
Triacetate	Rock Hill *Arnel* (yarn, staple & tow)
Vinyon	Rock Hill (staple)

COLORFY/MARTIN FIBERS INC.

EXECUTIVE OFFICE: P.O. Box 469, Edgefield, SC 29824

Nylon	Sumther & Trenton, SC (staple & tow)
Polyester	Sumther & Trenton (staple)

CORTLAND LINE COMPANY

EXECUTIVE OFFICE: 3736 Kellog Road, Cortland, NY 13045

Nylon 6	Cortland, NY (monofil-captive)

COURTAULDS NORTH AMERICA INC.

EXECUTIVE OFFICE: 104 West 40th Street, New York, NY 10018
REGIONAL SALES: P.O. Box 2648, Mobile, AL 36652

Rayon	Le Moyne, Mobile County, AL *Coloray & Fibro* (staple)
Nylon 6	Le Moyne *Courtaulds, Shareen* (yarn & monofil)

E. I. DU PONT DE NEMOURS & COMPANY (INC.) ●

TEXTILE FIBERS DEPARTMENT ●

EXECUTIVE OFFICE: Wilmington, DE 19898
REGIONAL SALES: 5500 Union Pacific Avenue, City of Commerce, CA 90022
2 N. La Salle Street, Suite 1905, Chicago, IL 60602
1251 Avenue of the Americas, New York, NY 10020
6250 Fairview Road, Charlotte, NC 28234
2770 W. Market Street, Akron, OH 44313
300 Franklin Bldg., Eastgate Center, Chattanooga, TN 37411

Acrylic	Camden, SC & Waynesboro, VA *Orlon* (staple & tow)
Aramid	Richmond, VA *Kevlar* (yarn), *Nomex* (yarn, staple & tow)
Nylon 66	Seaford, DE; Camden, SC; Chattanooga, TN & Martinsville, Richmond & Waynesboro, VA (yarn, monofil, staple & tow)
Polyester	Kinston & Wilmington, NC, Camden & Charleston, SC & Old Hickory, TN *Dacron*, (yarn, staple, tow & fiberfill), *Reemay* (spunbonded), *Sontara* (spunlaced)
Spandex	Waynesboro *Lycra* (fused multifil or coalesced monofil)

POLYMER PRODUCTS DEPARTMENT

EXECUTIVE OFFICE: See listing above.

Nylon 6, 66, 612 & Polyester	Parkersburg, WV *Dacron, Dymetrol, Tynex & Vylor* (monofil of 50 denier & coarser)

EASTMAN KODAK COMPANY

EASTMAN CHEMICALS DIVISION

EXECUTIVE OFFICE: Kingsport, TN 37662
MARKETER: EASTMAN CHEMICAL PRODUCTS, INC., P.O. Box 431, Kingsport, TN 37662
REGIONAL SALES: 1133 Avenue of the Americas, New York, NY 10036

Acetate	Kingsport, TN *Chromspun, Estron* (yarn)
Polyester	Kingsport, TN & Columbia, SC *Kodel* (yarn & staple)

FIRESTONE FIBERS & TEXTILES COMPANY

DIVISION OF FIRESTONE TIRE & RUBBER COMPANY

EXECUTIVE OFFICE: P.O. Box 1278, Gastonia, NC 28052

Polyester	Hopewell, VA (yarn)

FOSS MANUFACTURING COMPANY, INC ●

EXECUTIVE OFFICE: Ward Hill Industrial Park, Haverhill, MA 01830
PLANT OFFICE: Haverhill, MA 01830

Polyester	(staple-captive)

GLOBE MANUFACTURING CO.

EXECUTIVE OFFICE: 456 Bedford Street, Fall River, MA 02720

Spandex	Fall River, MA & Gastonia, NC *Cleerspan, DC-100, DC-700, Glospan* (fused multifil)

THE GOODYEAR TIRE & RUBBER COMPANY, CHEMICAL DIVISION

EXECUTIVE OFFICE: Akron, OH 44316

Polyester	Scottsboro, AL & Point Pleasant WV (yarn-captive)

GUILFORD MILLS, GAINESVILLE DIVISION

EXECUTIVE OFFICE: 4925 West Market Street, Greensboro, NC 27402
PLANT OFFICE: 455 Osborne Street, S.E., Gainesville, GA 30501

Nylon 6	Gainesville, GA (yarn & monofil-captive)

HANOVER MILLS, INCORPORATED

Subsidiary of Falk Fibers & Fabrics Inc.

EXECUTIVE OFFICE: 2120 Pinecroft Road, Greensboro, NC 27407
REGIONAL SALES: 1450 Broadway, New York, NY 10018
2120 Pinecroft Road, Greensboro, NC 27407

Nylon 6	Yanceyville, NC *Hanover* (yarn & monofil)

JOHNSON FILAMENTS, INC. ●

Subsidiary of JWI Ltd.

EXECUTIVE OFFICE: Industrial Avenue, Williston, VT 05495

Nylon 6/66	Williston, VT (monofil)
Polyester	Williston (monofil)

KAYSER-ROTH CORPORATION, YARN PROCESSING DIVISION

EXECUTIVE OFFICE: 2303 W. Meadowview Road, Greensboro, NC 27407

Nylon 66	Creedmoor, NC (yarn-captive)

MKS COMPANY INC.

EXECUTIVE OFFICE: 1401 West Elk Avenue, Elizabethton, TN 37643

Polyester	Elizabethton, TN (staple)

MONOFILAMENTS, INC.

EXECUTIVE OFFICE: 1401 Hopeman Pkwy., Waynesboro, VA 22980

Nylon 6/66	Waynesboro, VA (monofil)
Polycarbonate	Waynesboro (monofil)
Polyester	Waynesboro (monofil)

*The company also produces fusible nylon (monofil) at its Waynesboro facility.

MONSANTO COMPANY

EXECUTIVE OFFICE: 800 N. Lindbergh Blvd., St. Louis, MO 63167

MONSANTO CHEMICAL COMPANY, FIBERS & ENGINEERED PRODUCTS DIVISION

REGIONAL SALES: 24012 Calle de la Plata, Suite 250, Laguna Hills, CA 92653
320 Interstate North Pkwy., Atlanta, GA 30339
Merchandise Mart, 222 North Bank Drive, Chicago, IL 60654
1460 Broadway, 11th Floor, New York, NY 10036
6230 Fairview Road, Charlotte, NC 28210
260 Springside Drive, P.O. Box 5444, Akron, OH 44313

Acrylic	Decatur, AL *Acrilan, Acrilan II, Bi-Loft, Fi-Lana, Pa-Qel, Remember, So-Lara, So-Qel,* (staple & tow)
Modacrylic	Decatur *SEF, SEF Plus* (staple & tow)
Nylon 66	Pensacola, FL & Greenwood, SC *No-Shock, Ultron* (yarn & staple)

MONSANTO COMPANY ***(CONTINUED)***

ASTRO TURF INDUSTRIES INC.

SALES OFFICE: 809 Kenner Street, Dalton, GA 30720

Nylon 66	Dalton, GA *Astro Turf* (recreational surfaces)

NORTH AMERICAN RAYON CORPORATION

EXECUTIVE OFFICE: West Elk Avenue, Elizabethton, TN 37643
REGIONAL SALES: 500 Fifth Avenue, New York, NY 10110

Rayon	Elizabethton, TN (ind & reg yarn & tow)

SHAKESPEARE COMPANY, MONOFILAMENT DIVISION

SALES OFFICE: 6111 Shakespeare Road, P.O. Box 4060, Columbia, SC 29240

Nylon 6/66 & 610	Columbia, SC (monofil & monofil thread)
Polyester	Columbia (monofil & monofil thread)

STAR FIBERS, INC.

EXECUTIVE OFFICE: 136 Fuller Road, Albany, NY 12205
REGIONAL SALES: Edgefield, SC 29824

Nylon 6	Edgefield, SC *Starbrite* (staple)

SUNSHINE CORDAGE CORPORATION ●

EXECUTIVE OFFICE: 7250-7270 N.W. 41st Street, Miami, FL 33166

Nylon 6	Miami, FL *Sunylon* (yarn & cordage)

TOLARAM FIBERS, INC.

EXECUTIVE OFFICE: P.O. Box 436, 525 Highway 522 North, Ansonville, NC 28007

Nylon	Ansonville, NC (yarn)
Polyester	Ansonville (yarn)

UNIVERSAL POLYMER PRODUCTS CORPORATION

Subsidiary of Falk Fibers & Fabrics Inc.

EXECUTIVE OFFICE: See **Hanover Mills**
REGIONAL SALES: 1450 Broadway, New York, NY 10018
2120 Pinecroft Road, Greensboro, NC 27407

Polyester	Fuquay-Varina, NC (yarn & monofil)

WELLMAN, INC., MAN-MADE FIBER DIVISION

EXECUTIVE OFFICE: P.O. Box 188, Johnsonville, SC 29555
67 Walnut Avenue, Suite 308, Clark, NJ 07066
REGIONAL SALES: 1200 East Morehead Street, Charlotte, NC 28204
25 Braintree Hill Park, Suite 302, Braintree, MA 02184

Nylon 6	Johnsonville, SC *Wellon* (staple)
Nylon 66	Johnsonville *Wellon, Wellstrand* (staple, tow & tops)
Polyester	Johnsonville *Fillwell, Wellene, Wellstrand* (staple & tow)

YKK ZIPPER CO.

Polyester	Macon, GA (yarn)

OLEFIN FIBER

ACS INDUSTRIES, INC.

EXECUTIVE OFFICE: 71 Villanova Street, Woonsocket, RI 02895
PLANT: Woonsocket, RI (P yarn)

ALADDIN CARPETS, INC.

EXECUTIVE OFFICE: P.O. Box 2208, Dalton, GA 30720
PLANT: Dalton, GA (P yarn)

ALBANY INTERNATIONAL - MONOFILAMENT PLANT

EXECUTIVE OFFICE: See Listing on Page 257
PLANT: Homer, NY (P monofil)

ALLIED-SIGNAL INC. ENGINEERED MATERIALS SECTOR, FIBERS DIVISION

EXECUTIVE OFFICE: See Listing on Page 257
PLANT: Chesterfield, VA *Spectra* (P yarn & staple)

AMERICAN MANUFACTURING COMPANY

EXECUTIVE OFFICE: 200 South Park Road, Lafayette, LA 70505
REGIONAL SALES: 22310 S. Bonita Street, Carson, CA 90801
5854 Hollis Street, Emeryville, CA 94608
2214 W. 21st Street, P.O. Box 52134, Jacksonville, FL 32201
6002 North 51st Street, Tampa, FL 33610
3312 Bloomingdale Avenue, Melrose Park, IL 60160
6110 Bienvenue Street, New Orleans, LA 70117
139 California Street, Newton, MA 02158
1715 South 11th Street, St. Louis, MO 63104
1350 Kress Street, Houston, TX 77020
5050 First Avenue South, Seattle, WA 98134

LAFAYETTE ROPE DIVISION
PLANT: Lafayette, LA *Amco, American, Bondtie, Floterope* (E & P monofil & film)

AMERICAN POLYCRAFT

EXECUTIVE OFFICE: P.O. Box 3603, Dalton, GA 30721
PLANT: Dalton, GA (P yarn & film)

AMETEK INC., SPECIAL FILAMENTS DIVISION

EXECUTIVE OFFICE: See Listing on Page 257
PLANT: Odenton, MD (E & P monofil)

AMOCO FABRICS & FIBERS COMPANY

EXECUTIVE OFFICE: 900 Circle 75 Parkway, Suite 550, Atlanta, GA 30339
REGIONAL SALES: 15066 Shoemaker Avenue, Santa Fe Springs, CA 90670
P.O. Box 911, Dalton, GA 30720
P.O. Box 3667, 604 Sheridan Avenue, Dalton, GA 30720
700 West 1st Street, Lowell, NC 28098

AMOCO FABRICS & FIBERS COMPANY *(CONTINUED)*
PLANT: Andalusia & Roanoke, AL; Bainbridge, Hazlehurst & Nashville, GA; Lowell, NC & Afton, VA (P yarn, monofil, film & staple)
The company produces *PolyBac and Polybac FLW* primary carpet backing; *Action Bac* secondary carpet backing; *Amo Pave, Amo Weve and Propex* industrial goods; and *Marquesa Lana, Palton, Patlon Plus and Synera* yarn at these locations.

ARLIN MFG. CO., INC.
EXECUTIVE OFFICE: 239 Industrial Avenue, Lowell, MA 01853
PLANT: Lowell, MA (P film)

ARMSTRONG WORLD INDUSTRIES, INC.
EXECUTIVE OFFICE: Lancaster, PA 17604
PLANT: Charlotte, NC (P film-captive)
The company weaves carpet backing.

AVTEX FIBERS, INC.
EXECUTIVE OFFICE: See Listing on Page 257
PLANT: Front Royal, VA (P staple)

BEAULIEAU OF AMERICA
EXECUTIVE OFFICE: P.O. Box 4539, Dalton GA 30721
PLANT: Dalton, GA (P yarn)

BEMIS COMPANY, INC.
EXECUTIVE OFFICE: 800 Northstar Center, Minneapolis, MN 55402
REGIONAL SALES: 2400 S. Second Street, St. Louis, MO 63104
90 Park Avenue, New York, NY 10016
PLANT: St. Louis, MO (P film)

BERKLEY & CO. INC.
EXECUTIVE OFFICE: See Listing on Page 257.
PLANT: Spirit Lake, IA (E & P monofil-captive)

BLUE MOUNTAIN EXTRUSIONS
EXECUTIVE OFFICE: P.O. Box 100, Anniston, AL 36202
PLANT: Anniston, AL *Gold Medal, Poly Autotwine, Poly Macramé, Polylasting, TY-EZ Polytape, Tylon, Tytite* (E & P film cordage)

BRIDON CORDAGE INC.
EXECUTIVE OFFICE: 909 16th Street, Albert Lea, MN 56007
PLANT: Albert Lea, MN (P film cordage)

BURLINGTON, INC.
EXECUTIVE OFFICE: P.O. Box 21207, Greensboro, NC 27420
PLANT: Greensboro, NC (P yarn)

CHASE BAG COMPANY
EXECUTIVE OFFICE: 2 Greenwich Plaza, Greenwich, CT 06830
PLANT: Portland, OR (P film industrial goods)

COLUMBIAN ROPE COMPANY
EXECUTIVE OFFICE: P.O. Box 270, Hwy. 45 North, Guntown, MS 38849
REGIONAL SALES: P.O. Box 270, Hwy. 45 North, Guntown, MS 38849
PLANT: Guntown, MS *Polypro 6* (E & P monofil & film)

CONCORDE FIBERS, INC.
EXECUTIVE OFFICE: P.O. Box 200, Hwy. 45, Jamestown, SC 29453
PLANT: Jamestown, SC (P yarn)

CROWE ROPE COMPANY
EXECUTIVE OFFICE: Warren, ME 04864
PLANT: Warren, ME *Crowelon* (P monofil)

CUMBERLAND MILLS, INC.
EXECUTIVE OFFICE: 1010 N. Hamilton Street, Dalton, GA 30720
PLANT: Dalton, GA (P yarn)

CUTLASS CARPET
PLANT: Dalton, GA (P yarn)

DIAMOND MILLS, INC.
EXECUTIVE OFFICE: P.O. Box 46, Eton, GA 30724
PLANT: Eton, GA (P yarn & film)

E. I. DU PONT NEMOURS & COMPANY (INC.)
TEXTILE FIBERS DEPARTMENT
EXECUTIVE OFFICE: See Listing on Page 258
PLANT: Old Hickory, TN & Richmond, VA *Typar* (P spunbonded), *Tyvek* (E spunbonded)

ELIZABETH WEBBING MILLS CO., INC.
EXECUTIVE OFFICE: 521 Roosevelt Avenue, Central Falls, RI 02862
PLANT: Central Falls, RI (P yarn & film)

ENSIGN-BICKFORD INDUSTRIES, INC. FILM FIBERS DIVISION
EXECUTIVE OFFICE: 660 Hopmeadow Street, Simsbury, CT 06070
PLANT: Simsbury, CT (P film)

EXXON CHEMICAL AMERICAS, INDUSTRIAL TEXTILES DIVISION
DIVISION HEADQUARTERS: 2550 West Fifth North Street, Summerville, SC 29483-9699
MARKETING OFFICE: 380 Interstate North, Suite 375, Atlanta, GA 30339
PLANT: Kingman, KS (P monofil & film cordage)
Summerville, SC (P monofil & film fabrics)
The company also weaves *Baxon & Fuzzbak* carpet backing and packaging fabrics at Summerville, SC.

FIBERS & FABRICS OF GEORGIA, INC.

Subsidiary of Georgia Synthetics, Inc.

EXECUTIVE OFFICE: P.O. Box 962, Elberton, GA 30635
PLANT: Elberton, GA (P yarns, fibrillated, roll embossed filaments & ribbon yarn)

FIBERS SOUTH, INC.

EXECUTIVE OFFICE: P.O. Box 189, Trussville, AL 35173
PLANT: Trussville, AL *Polystar, Trustite & Tyrite* (P film, monofil, tapes & staple)
Clearfield, UT *Trustite & Tyrite* (P film)

FIBRON CORPORATION OF TENNESSEE

Affiliate of Synthetic Industries

EXECUTIVE OFFICE: Chickamauga, GA
PLANT: Chattanooga, TN *Fibri-Cord, Fibri Knit, Fibrilawn, Fibrilon* (P film)

FILAMENT FIBER TECHNOLOGY INCORPORATED

EXECUTIVE OFFICE: 999 Airport Road, Lakewood, NJ 08701
PLANT: Lakewood, NJ (P yarn)

FNT INDUSTRIES, INC.

EXECUTIVE OFFICE: 927 First Street, Menominee, MI 49858
PLANT: Menominee, MI (E monofil)

FOSS MANUFACTURING CO., INC.

EXECUTIVE OFFICE: See Listing on Page 258
(P staple-captive)

GENERAL FIBERS & FABRICS, INC.

EXECUTIVE OFFICE: Orchard Hill Road, LaGrange Industrial Park, LaGrange, GA 30240
PLANT: LaGrange, GA (P film)
The company also weaves *Supertuft* carpet backing as well as bagging and woven polypropylene fabrics here.

GEORGIA SYNTHETICS, INC.

EXECUTIVE OFFICE: P.O. Box 962, Elberton, GA 30635
PLANT: Elberton, GA (P film carpet backing)
Also see listing for **Fibers & Fabrics of Georgia, Inc.**

GLADDING CORDAGE CORPORATION

EXECUTIVE OFFICE: Gladding St., South Otselic, NY 13155
PLANT: South Otselic, NY (P monofil)

HERCULES INCORPORATED

HERCULES ENGINEERED & FABRICATED PRODUCTS COMPANY, FIBERS

EXECUTIVE OFFICE: Hercules Plaza, Wilmington, DE 19894
MARKETING HEADQUARTERS: 3169 Holcomb Bridge Rd., Suite 301, Norcross, GA 30071
REGIONAL SALES: 280 Railroad Avenue, Greenwich, CT 06830
PLANT: Oxford, GA *Elustra, Herculon, Nouvelle* (P yarn & staple)

THE HOOVEN & ALLISON COMPANY

EXECUTIVE OFFICE: 677 Cincinnati Avenue, Xenia, OH 45385
PLANT: Xenia, OH (P film cordage)

INTEGRATED PRODUCTS, INC.

EXECUTIVE OFFICE: P.O. Box 1791, Rome, GA 30161
PLANT: Rome, GA (P staple)

J & J INDUSTRIES

EXECUTIVE OFFICE: P.O. Box 1287, Dalton, GA 30722
PLANT: Dalton, GA (P yarn)

JAMES RIVER CORPORATION

(FORMERLY CROWN ZELLERBACH CORP.)

EXECUTIVE OFFICE: 1 Bush Street, San Francisco, CA 94119
SALES HEADQUARTERS: 3720 Grant Street, Washougal, WA 98671
PLANT: Washougal, VA *Celestra, Fibretex* (P spunbonded)

JOHNSON FILAMENTS

EXECUTIVE OFFICE: See Listing on Page 258
PLANT: Williston, VT (P monofil)

KELLER INDUSTRIES, INC.

EXECUTIVE OFFICE: 18000 State Road #9, North Miami, FL 33162
PLANT: Swainsboro, GA (P monofil-captive)
The company weaves outdoor furniture webs here.

KIMBERLY-CLARK CORPORATION

EXECUTIVE OFFICE: 1400 Holcomb Bridge Road, Roswell, GA 30076
PLANT: Corinth, MS; Balfour, NC; LaGrange, GA & Neenah, WI
Accord, Duraguard, Evolution (P spunbonded), *Cyclean, Evolution III* (P spunbonded/ meltblown laminate)

LAMBETH CORPORATION

EXECUTIVE OFFICE: 627 Tarkiln Hill Road, New Bedford, MA 02745
PLANT: New Bedford, MA *Lambeth* (E & P monofil)

LAWRENCE HOSE COMPANY

A Consolidated Foods Company

SALES OFFICE: P.O. Box 1838, Burlington, NC 27215
PLANT: Burlington, NC (E monofil-captive)

LORETEX

DIVISION OF OIVIND LORENTZEN, INC.

EXECUTIVE OFFICE: 522 Fifth Avenue, New York, NY 10036
REGIONAL SALES: Northeastern Industrial Park, Guilderland Center, NY 12505
PLANT: Guilderland Center, NY (E film-captive)

MIRAFI INC.
Subsidiary of Dominion Textiles
EXECUTIVE OFFICE: P O Box 240967, Charlotte, NC 28224
PLANT: Moultrie, GA (P film-captive)

NSI, INC.
ADMINISTRATION OFFICE: Box 658, Soperton, GA 30457
PLANT: Soperton, GA (P film-captive)
The company weaves carpet backing here

THE OSTERNECK COMPANY
EXECUTIVE OFFICE: P O Box 859, Lumberton, NC 28359
PLANT: Lumberton, NC (P film)
The company weaves carpet backing and industrial goods here

PHILLIPS FIBERS CORPORATION
Subsidiary of Phillips 66 Company
EXECUTIVE OFFICE: P O Box 66, Interstate 85, Greenville, SC 29602
PLANT: Rocky Mount, NC; Seneca & Spartanburg, SC *Marvess* (P yarn, staple & tow)
The company also manufactures *Duon, Petromat, Rufon & Supac* nonwoven fabrics at Seneca, SC

POLYLOOM CORP. OF AMERICA
EXECUTIVE OFFICE: 1615 N Broadway, P.O. Box 289, Dayton, TN 37321
PLANT: Dayton, TN *Polyloom* (P split film)

SARLON INDUSTRIES, INC.
EXECUTIVE OFFICE: 775 N.W. 71st Street, Miami, FL 33150
PLANT: Miami, Fl (P monofil & film)

SHUFORD MILLS, INC.
EXECUTIVE OFFICE: Highland Avenue & 15th Street, N.E., Hickory, NC 28601
PLANT: Hickory, NC (P film, cordage & twine)

SOLUTION FIBERS INC.
EXECUTIVE OFFICE: P.O. Box 447, 110 West McCarter Road, Lafayette, GA 30728
PLANT: Lafayette, GA *Better Body, Luxere* (P yarn)

SOUTHERN WEAVING, INC.
PLANT: Greenville, SC (P yarn)

STEVENS FIBER DIVISION, STEVENS LINEN ASSOC., INC.
EXECUTIVE OFFICE: P.O. Box 220, Webster, MA 01570
PLANT: Dudley, MA (P staple)

SUNSHINE CORDAGE CORPORATION
EXECUTIVE OFFICE: See Listing on Page 259
PLANT: Miami, Fl (E & P monofil, cordage)

SYNTHETIC INDUSTRIES
EXECUTIVE OFFICE: 309 Lafayette Road, Chickamauga, GA 30707
PLANT: Chickamauga & Dalton, GA (P film & staple-captive)
The company weaves carpet backing and industrial fabrics

TECHNOTRADE
PLANT: Dalton, GA (P yarn)

TWINE PRODUCTS CORPORATION
EXECUTIVE OFFICE: 201 Dufossat, P O. Box 15285 New Orleans, LA 70175
PLANT: New Orleans, LA (P film)

UNITED STATES ROPE COMPANY
EXECUTIVE OFFICE: 711 Hamilton Avenue, Menlo Park, CA 94025
PLANT: Menlo Park, CA (P monofil)

WALL INDUSTRIES, INC.
EXECUTIVE OFFICE: P.O. Box 830, Granite Quarry, NC 28072
PLANT: Granite Quarry, NC (E & P monofil rope and cordage)

WALTRICH PLASTIC CORPORATION
EXECUTIVE OFFICE: P.O. Box D, Walthourville, GA 31333
PLANT: Walthourville, GA (P monofil)

WAYN-TEX INC.
EXECUTIVE SALES OFFICE: Box 648, Dalton, GA 30720
PLANT: Waynesboro, VA
The company weaves *Wayntuf* primary carpet backing (captive)

WELLINGTON PURITAN MILLS (MONTAIR DIV.)
EXECUTIVE OFFICE: Nelson Street, Pilot Mountain, NC 27401
PLANT: Pilot Mountain, NC *Pur-Ty, Welltite* (P yarn & E & P monofil & film)

WELLINGTON SYNTHETIC FIBRES, INC.
EXECUTIVE OFFICE: 52 Courtland Street, Paterson, NJ 07503
PLANT: Leesville & Summerville, SC (P yarn & monofil)
The company also weaves outdoor furniture webs at Leesville

The following companies are also producing a variety of textile products from olefin: **California Webbing** (P yarn); **Cirtex** (P film); **Continental** (P yarn); **Conwed Corp. Conwed Plastic Netting** (P embossed film for netting); **Dicey** (P yarn); **E.I du Pont De Nemours & Company (Inc.)** (E & P embossed film for netting); **Hercules Incorporated, Polymers Division** *Delnet* (E embossed film for netting); **Nalle Inc.** (P embossed film for netting); **Riegel Products Corporation** *Polyweb* (P meltblown); and **The 3M Company** (P spunbonded).

TEXTILE GLASS FIBER

CERTAINTEED CORPORATION

FIBER GLASS REINFORCEMENTS DIVISON

EXECUTIVE OFFICE: P.O. Box 860, Valley Forge, PA 19482
REGIONAL SALES: 1801 E. Parkcourt Place, Bldg. D., Suite 104, Santa Ana, CA 92701
1464 Guava Avenue, Melbourne, FL 32935
306 Bellcourt Parkway, Rosewell, GA 30076
854 Fairway Drive, Bensenville, IL 60106
533-A Mur Len Road, Olathe, KS 66061
1976 Wooddale Blvd., Baton Rouge, LA 70806
103 Kilby Street, Hingham, MA 02043
1450 Souter Street, Troy, MI 48083-2986
2030 52nd Street, Ashtabula, OH 44004
5555 Airport Hwy., Suite 210, Toledo, OH 43615
1400 Union Meeting Road, Blue Bell, PA 19422
West Oak Square Offices, 4009 Anderson Mill Road, Spartanburg, SC 29301
4811 Lebanon Road, Hermitage, TN 37076
6326 Hart, Forth Worth, TX 76112
7414 N.E. Hazel Dell Avenue, Suite 207, Vancouver, WA 98665
PLANT: Wichita Falls, TX (roving, woven roving, mat, chopped strand & combination product)

F.G.I. FIBERS, INC.

EXECUTIVE OFFICE: Homestead Place, Amsterdam, NY 12010
PLANT: Amsterdam, NY (roving & chopped)

GAF BUILDING MATERIALS CORPORATION

EXECUTIVE OFFICE: 1361 Alps Road, Wayne, NJ 07670
PLANT: Irwindale, CA *Chemglass* (chopped), Nashville, TN (chopped)

GFT (GLASS FIBER TECHNOLOGY)

EXECUTIVE OFFICE: P.O. Box 670, Chester, SC 29706
PLANT: Chester, SC (wet chop for shingles)

LUNDY TECHNICAL CENTER

EXECUTIVE OFFICE: Pompano Beach, FL 33064
PLANT: Pompano Beach, FL *RoMHOglas* (metalized glass fiber roving & strand and nonwoven metalized glass mat)

MANVILLE SALES CORPORATION

MATS, FIBER & REINFORCEMENTS DIVISION

EXECUTIVE OFFICE: Ken-Caryl Ranch, P.O. Box 5108, Denver, CO 80217
PLANT: Waterville, OH & Etowah, TN *Chop-Pak, Dura-Glass, Star Rov, Star Stran* (mat, chopped strand, staple yarn, sliver & rovings)

NICOFIBERS INC.

EXECUTIVE OFFICE: Ironpoint Road, Shawnee, OH 43782
PLANT: Shawnee, OH *Conformat, Consumat, Sumat* (mat)

OMNI FIBERGLASS CORPORATION

DIVISION OF KOPPERS COMPANY

EXECUTIVE OFFICE: 15066 LaPalma, Chino, CA 91710
PLANT: Chino, CA (roving, chopped & milled)

OWENS-CORNING FIBERGLAS CORPORATION

EXECUTIVE OFFICE: Fiberglas Tower, Toledo, OH 43659
REGIONAL SALES: 2215 Sanders Road, Northbrook, IL 60062
15300 W. 8 Mile, Oak Park, MI 48237
Bldg. 5601, 77 Center Drive, Suite 240, Charlotte, NC 28210
5700 Pearl Road, Suite 104, Cleveland, OH 44129
900 West Valley Road, Suite 1101, Wayne, PA 19087
12880 Hillcrest, Suite 100, Dallas, TX 75230
12301 N.E. 10th Place, Bellevue, WA 98005
PLANT: Huntington, PA, Aiken & Anderson, SC, Jackson, TN & Amarillo, TX *Araton, Beta, Bi-Ply, Fiberglas, S-Glass, S-2 Glass* (yarn, roving, woven roving, mat chopped & milled)

PPG INDUSTRIES, INC.

FIBER GLASS PRODUCTS

EXECUTIVE OFFICE: One PPG Place, Pittsburgh, PA 15272
REINFORCEMENT PRODUCTS:
REGIONAL SALES: 1800 E. McFadden Avenue, Suite 250, Santa Ana, CA 92705
500 Sugar Mill Road, Bldg. A, Suite 210, Atlanta, GA 30338
246 East Janata Blvd., Suite 200, Lombard, IL 60148
2155 West Big Beaver Road, P.O. Box 3510, Troy, MI 48084
AUTOMOTIVE SALES OFFICE: 2155 West Big Beaver Road, P.O. Box 3510, Troy, MI 48084
AZDEL SALES OFFICE: 1241 Chicago Road, Troy, MI 48084
TEXTILE PRODUCTS: 1601 East Garrison Blvd., Suite 210, Gastonia, NC 28054
2253 South Avenue, Westfield, NJ 07090
PLANT: Lexington & Shelby, NC (yarn, roving, mat, milled fiber, chopped strand, woven roving & rubber reinforcements)

SUPERIOR GLASS FIBERS, INC.

EXECUTIVE OFFICE: P.O. Box 89, Bremen, OH 43107
PLANT: Bremen, OH (mat)

TABLE 2:
LOCATION OF U.S. MAN-MADE FIBER PRODUCT-PRODUCING PLANTS

STATES & AREA	CELLULOSIC[a]	NONCELLULOSIC						TEXTILE GLASS	GRAND TOTAL
		ACRYLIC[b]	NYLON[c]	OLEFIN	POLYESTER	OTHER[d]	TOTAL		
NEW ENGLAND									
CONNECTICUT				1			1		1
MAINE				1			1		1
MASSACHUSETTS				4	1	1	6		6
RHODE ISLAND				2			2		2
VERMONT			1	1	1		3		3
TOTAL NEW ENGLAND			1	9	2	1	13		13
MID-ATLANTIC									
DELAWARE			1				1		1
MARYLAND			1	1	1	1	4		4
NEW JERSEY				1			1		1
NEW YORK			2	3	1	1	7	1	8
PENNSYLVANIA					1		1	1	2
TOTAL MID-ATLANTIC			4	5	3	2	14	2	16
PIEDMONT									
N. CAROLINA			3	9	7	1	20	2	22
S. CAROLINA	2	1	9	7	8	2	27	2	31
VIRGINIA	2	2	7	6	3	2	20		22
WEST VIRGINIA			1		2		3		3
TOTAL PIEDMONT	4	3	20	22	20	5	70	4	78
SOUTH									
ALABAMA	1	2	1	4	1		8		9
FLORIDA		1	2	2			5	1	6
GEORGIA			2	24	1		27		27
LOUISIANA				2			2		2
MISSISSIPPI				1			1		1
TENNESSEE	3		1	3	4		8	2	13
TEXAS								2	2
TOTAL SOUTH	4	3	6	36	6		51	5	60
MID-WEST & WEST									
CALIFORNIA				1			1	2	3
IOWA			1	1			2		2
KANSAS				1			1		1
MICHIGAN				1			1		1
MINNESOTA				1			1		1
MISSOURI				1			1		1
OHIO				1			1	3	4
OREGON				1			1		1
UTAH				1			1		1
WASHINGTON									
WISCONSIN				1			1		1
TOTAL MIDWEST & WEST			1	10			11	5	16
TOTAL NUMBER OF PLANTS	8	6	30	82	28	8	154	16	178
TOTAL NUMBER OF STATES	4	4	13	27	12	6	30	9	31

a. Cellulosic includes rayon, acetate and triacetate.
b. Acrylic includes modacrylic.
c. Nylon includes aramid.
d. Other includes 1 fluorocarbon, 1 PBI, 1 polycarbonate, 1 saran, 3 spandex and 1 vinyon.

TRADE BAROMETER

MAN-MADE FIBER TRADE BALANCE RISES

The U.S. man-made fiber balance of trade rose in September, as the net-export balance of trade rose to 22.1 million pounds, up nearly 13% from the 19.6 million pound export balance in August.

Rising exports and declining imports of man-made fiber resulted in the improving trade balance. Exports of fiber totaled 52.4 million pounds, up almost 4% from August's level of 50.5 million pounds. Imports of fiber in September amounted to 30.3 million pounds, a decline of 2% from the 30.9 million pounds imported in August.

The September trade balance is 43% below that of September 1985, when the balance stood at 38.7 million pounds.

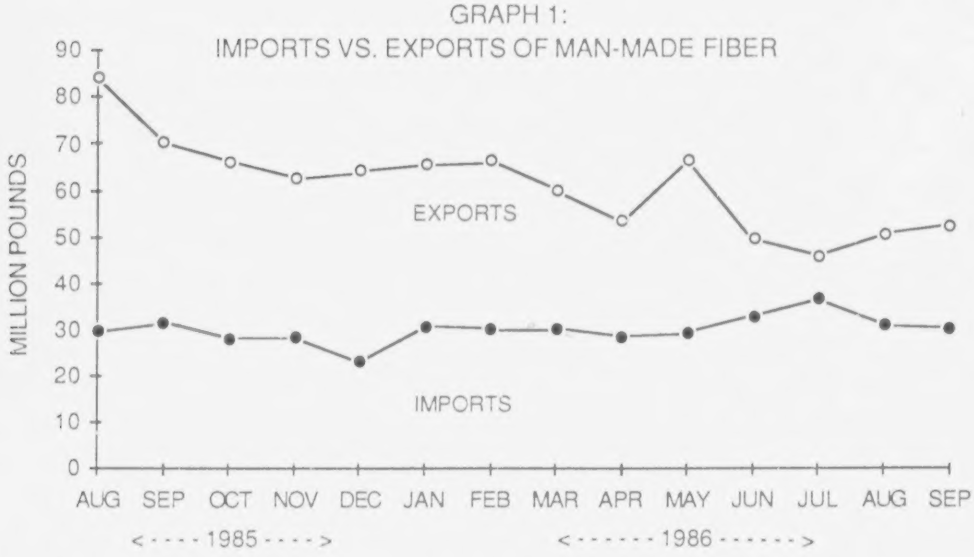
SEPTEMBER DETAIL

The net-export balance of trade in noncellulosic yarn+monofilaments in September rose almost 26% to 8.3 million pounds, while the net-export balance in noncellulosic staple+tow increased over 80% to 6.5 million pounds.

The balance of trade for cellulosic staple+tow declined by 87.5% as exports fell by 48% and imports rose over 18%.

NOTE ABOUT MANUFACTURES TRADE DATA

Due to substantial revisions and additions to the U.S. Census TSUSA commodity number system, there will not be a listing of trade data for manufactures this month. As soon as changes are implemented, the manufactures trade data will again appear in the ***ORGANON.***



GRAPH 1:
IMPORTS VS. EXPORTS OF MAN-MADE FIBER

GRAPH 2:
MAN-MADE FIBER TRADE BALANCE DETAIL

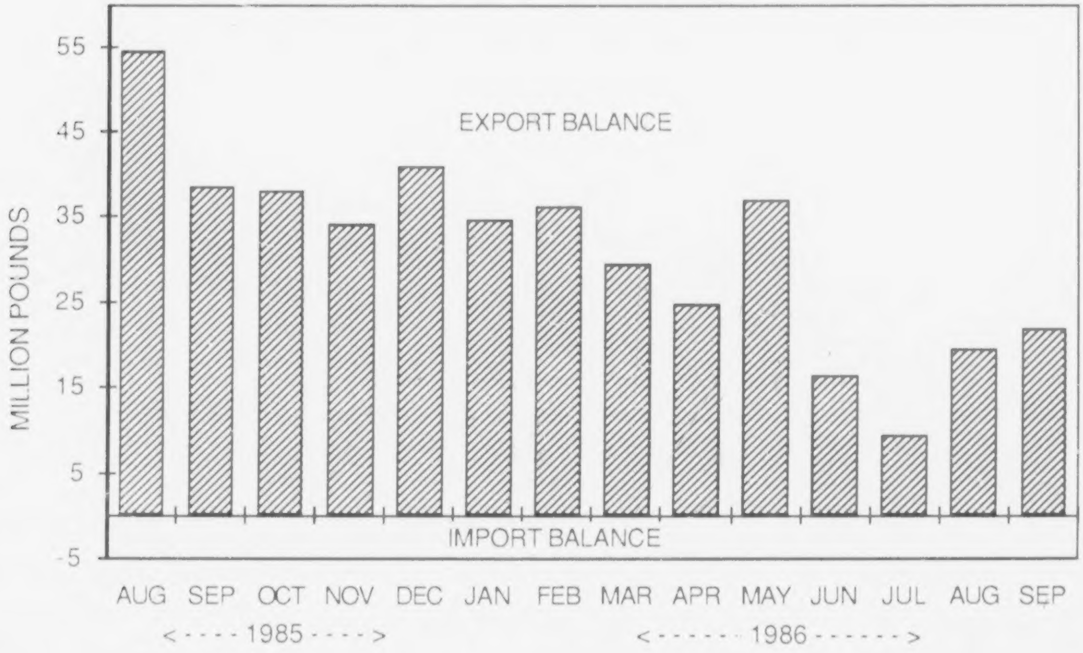


TABLE 3:
MAN-MADE FIBER MONTHLY TRADE BALANCE DETAIL

MILLION POUNDS

COMMODITY	1985					1986								
	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
CELLULOSIC YARN+MONOFILAMENTS	0.4 I	1.1 I	0.8 I	0.1 I	0.3 I	0.9 I	0.8 I	0.7 I	0.9 I	0.1 I	0.7 I	0.7 I	0.8 I	0.4 I
CELLULOSIC STAPLE+TOW	4.3 E	1.1 E	2.4 E	1.7 E	1.0 E	0.8 E	1.5 E	4.0 E	0.4 I	1.4 E	0.4 E	1.5 E	1.6 E	0.2 I
NONCELLULOSIC YARN+MONOFILAMENTS	23.2 E	19.3 E	18.1 E	20.3 E	20.5 E	20.5 E	15.3 E	14.4 E	13.6 E	20.0 E	7.1 E	6.4 E	6.6 E	8.3 E
NONCELLULOSIC STAPLE+TOW	22.5 E	16.3 E	14.1 E	5.5 E	14.6 E	9.1 E	12.1 E	5.6 E	4.0 E	8.6 E	4.0 E	1.2 E	3.6 E	6.5 E
CELLULOSIC WASTE	+	0.1 E	+	+	+	0.1 E	0.2 E	0.2 E	0.3 E	0.1 E	0.1 E	0.1 E	0.3 E	0.1 E
NONCELLULOSIC WASTE	4.9 E	3.0 E	4.4 E	6.7 E	5.3 E	5.2 E	8.0 E	6.1 E	8.3 E	7.0 E	5.7 E	0.9 E	8.3 E	7.8 E
TOTAL	54.5 E	38.7 E	38.2 E	34.1 E	41.1 E	34.8 E	36.3 E	29.6 E	24.9 E	37.0 E	16.6 E	9.4 E	19.6 E	22.1 E

I means net-import balance.
E means net-export balance.

TABLE 4:
SELECTED U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION BY COUNTRY OF ORIGIN

THOUSAND POUNDS

ITEMS & COUNTRY	1986												YEAR TO DATE	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1986	1985
CELLULOSIC YARN, MONOFIL & STRIPS														
BRAZIL	82	56	0	53	0	0	0	0	58				249	414
CANADA	200	420	226	302	698	431	465	443	516				3701	1746
GERMANY, FED. REP. OF	482	284	783	594	22	494	489	402	280				3830	4300
JAPAN	95	41	50	25	35	26	32	0	0				304	480
MEXICO	81	114	0	62	0	0	63	40	109				469	919
NETHERLANDS	195	181	167	233	34	179	124	268	175				1556	986
REP. OF KOREA	80	60	80	80	0	60	20	20	0				400	361
ALL OTHER COUNTRIES [a]	160	146	136	265	95	118	40	66	77				1103	600
TOTAL CELLULOSIC YARN	**1375**	**1302**	**1442**	**1614**	**884**	**1308**	**1233**	**1239**	**1215**				**11612**	**9806**
CELLULOSIC STAPLE+TOW														
AUSTRIA	259	0	217	126	138	150	102	49	0				1041	362
CANADA	777	981	724	948	764	620	1221	1333	1536				8904	5179
JAPAN	143	75	128	108	108	89	63	45	75				834	496
MEXICO	310	0	109	123	41	142	82	0	0				807	0
UNITED KINGDOM	105	39	80	69	42	40	114	4	132				625	1049
ALL OTHER COUNTRIES [b]	11	0	268	10	105	297	116	41	0				848	2204
TOTAL CELLULOSIC STAPLE+TOW	**1605**	**1095**	**1526**	**1384**	**1198**	**1338**	**1698**	**1472**	**1743**				**13059**	**9290**
NONCELLULOSIC YARN, MONOFIL & STRIPS														
AUSTRALIA	0	16	31	2	8	18	7	17	11				110	1079
AUSTRIA	113	7	115	4	150	47	135	48	+				619	614
BELGIUM	1152	1901	531	297	449	1550	1024	1087	753				8744	5544
BRAZIL	1	56	0	0	6	0	0	0	0				63	233
CANADA	1282	338	857	1384	1239	1598	1793	1388	1551				11430	11665
COSTA RICA	480	430	349	608	736	647	468	751	393				4862	251
FRANCE	405	689	679	249	493	456	889	787	1187				5834	3772
GERMANY, FED. REP. OF	1195	1199	1397	774	1915	4022	2735	1900	1149				16286	13816
ISRAEL	413	277	316	226	179	239	487	264	197				2598	1933
ITALY	790	529	1158	895	1083	1331	1598	880	950				9214	10170
JAPAN	646	553	1019	693	895	758	807	719	151				6241	4995
MEXICO	128	917	1223	931	928	431	1366	1794	1394				9112	6159
NETHERLANDS	74	213	29	6	255	249	47	165	68				1106	642
SOUTH AFRICA	853	866	532	631	565	143	322	136	229				4327	9305
SWITZERLAND	74	74	1	2	224	59	1	2	1				438	849
TAIWAN	36	39	47	144	111	32	205	131	74				819	217
UNITED KINGDOM	573	510	352	307	454	581	754	866	868				5265	4945
YUGOSLAVIA	85	0	0	0	0	0	0	0	0				85	2719
ALL OTHER COUNTRIES [c]	47	218	192	215	172	145	369	197	462				2017	1144
TOTAL NONCELLULOSIC YARN	**8347**	**8832**	**8828**	**7368**	**9862**	**12306**	**13007**	**11182**	**9438**				**89170**	**80052**
NONCELLULOSIC STAPLE+TOW														
BELGIUM	25	18	57	39	85	41	18	21	75				379	463
BRAZIL	35	60	22	0	0	161	179	86	65				608	3225
CANADA	2650	1831	1430	1882	1977	1812	1464	1651	2073				16770	19331
COSTA RICA	31	44	0	0	0	0	0	0	0				75	2146
FRANCE	996	984	984	761	888	782	819	699	954				7867	7378
GERMANY, FED. REP. OF	3105	2727	2552	2994	3005	2524	2194	2490	1780				23371	20191
ISRAEL	42	81	48	80	28	44	25	0	13				361	832
ITALY	1237	1748	1504	1525	721	1345	2619	2572	2622				15893	11962
JAPAN	1919	1523	2265	1431	1515	2286	2381	2092	1578				16990	17587
MEXICO	1025	1105	1011	1249	1599	832	1973	1458	1119				11371	6214
NETHERLANDS	20	0	+	43	0	0	29	101	0				193	332
REP. OF KOREA	492	355	551	88	343	650	431	490	287				3687	3362
ROMANIA	210	88	158	0	438	0	456	119	294				1763	796
SOUTH AFRICA	80	88	0	25	53	53	49	0	98				446	424
SWITZERLAND	137	0	23	48	88	96	84	75	73				624	362
TAIWAN	2105	1587	2111	1961	1272	1380	2039	1532	895				14882	13131
UNITED KINGDOM	1819	2340	2151	2271	1800	2008	1659	1105	2343				17496	10050
ALL OTHER COUNTRIES [d]	116	330	216	222	326	164	156	185	301				2016	1056
TOTAL NONCELLULOSIC STAPLE+TOW	**16044**	**14909**	**15083**	**14619**	**14138**	**14178**	**16575**	**14676**	**14570**				**134792**	**118842**

+ Means a nominal poundage.

Other countries supplying 1986 poundages are:

a. Australia 18, Austria 30, Belgium 243, China, PRC 2, France 48, Ireland 427, Israel 45, Italy 9, Taiwan 62, Thailand 17, United Kingdom 108, Yugoslavia 94.

b. France 10, Germany, Federal Rep. of 94, Hong Kong 6, Italy 248, Sweden 445, Taiwan 45.

c. Argentina 41, Chile 88, China, PRC 60, Colombia 198, Denmark 122, Dominican Rep. +, Egypt +, Greece 2, Hong Kong +, Hungary 48, India +, Iran 1, Ireland 322, Korea, Rep. of 223, Norway 2, Philippines +, Romania 506, Singapore 90, Somalia 95, Spain 1, Sweden 167, Turkey 51.

d. Australia 477, Austria 244, China, PRC 117, Denmark 122, Finland 18, Greece 12, Haiti, 14, Hong Kong, 29, Ireland 218, Kenya 31, Malaysia 96, Philippines 1, Spain 27, Sweden 148, Thailand 138, Turkey 84, Yugoslavia 240.

TABLE 5:
U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/78	1986												YEAR TO DATE	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1986	1985
CELLULOSIC FIBERS															
YARN - SINGLES															
TEXTURED	310.0106 & .0206	28	30	29	0	123	31	155	44	41				481	132
OTHER	310.0130 & .0230[a]	1309	1180	1318	1488	628	1160	1037	1188	1091				10399	9083
MONOFILAMENTS	309.0310 & .0610	0	5	6	0	4	0	0	0	0				15	19
STRIPS, $1/LB & UNDER	309.2000*	38	87	89	126	129	117	41	7	83				717	572
SUBTOTAL ABOVE		**1375**	**1302**	**1442**	**1614**	**884**	**1308**	**1233**	**1239**	**1215**				**11612**	**9806**
STAPLE	309.4320 & .4325	1465	1056	1396	1298	1121	1183	1524	1471	1654				12168	8416
GROUPED FILAMENTS	309.3010 & .3310	140	39	130	86	77	155	174	1	89				891	874
SUBTOTAL ABOVE		**1605**	**1095**	**1526**	**1384**	**1198**	**1338**	**1698**	**1472**	**1743**				**13059**	**9290**
WASTE, ADVANCED&NOT ADVANCED	**309.6615 & .7510**	+	0	+	33	+	43	0	0	6				82	288
NONCELLULOSIC FIBERS															
YARN - SINGLES															
TEXTURED - NYLON															
LESS THAN 450	310.0107 & .0207	150	195	203	139	548	252	213	296	258				2254	24984
MORE THAN 450	310.0108 & .0208	1809	1217	1092	918	2313	5096	4606	3308	3302				23661	
- POLYESTER	310.0110 & .0210	748	1376	1165	1209	1039	380	1210	788	1148				9063	13246
- OTHER	310.0114 & .0214	1640	2607	1276	1088	1059	1829	1997	1193	945				13634	9871
OTHER - NYLON	310.0149 & .0249	1236	1498	1935	1321	1650	1752	2274	2395	2251				16312	15078
- POLYESTER	310.0150 & .0250	1898	1331	2390	1911	2512	2269	1885	2572	910				17678	12849
- OTHER	310.0170 & .0270[b]	483	225	438	400	403	409	395	365	397				3515	1451
MONOFILAMENTS	309.0200 & .0330[c]	275	256	267	218	196	202	206	145	146				1911	1663
STRIPS, OVER $1/LB	309.2100 & .2500*	108	127	62	164	142	117	221	120	81				1142	910
SUBTOTAL ABOVE		**8347**	**8832**	**8828**	**7368**	**9862**	**12306**	**13007**	**11182**	**9438**				**89170**	**80052**
STAPLE - NYLON	309.4330 & .4350	3716	4331	3835	4107	3294	3188	5098	4420	5346				37335	29238
- POLYESTER	309.4335 & .4360	2725	3058	3474	2831	2760	3278	3206	3099	2359				26790	20426
- ACRYLIC	309.4365	1473	822	887	1202	1542	1262	2407	1416	1511				12522	12952
- OLEFIN	309.4370	623	222	149	28	107	194	205	86	88				1702	4261
- OTHER	309.4340 & .4380	2666	1949	1613	1881	1478	820	1137	711	222				12477	18745
GROUPED FILAMENTS															
NYLON	309.3030 & .3200	3381	3504	3164	3153	3258	3555	3174	3266	3667				30122	21699
POLYESTER	309.3040 & .3340	147	150	204	84	197	108	223	165	122				1400	3897
ACRYLIC	309.3050 & .3350	972	670	1616	1048	1138	1393	1023	1359	1132				10351	6054
OTHER	309.3065 & .3365	341	203	141	285	364	380	102	154	123				2093	1570
SUBTOTAL ABOVE		**16044**	**14909**	**15083**	**14619**	**14138**	**14178**	**16575**	**14676**	**14570**				**134792**	**118842**
WASTE, NOT ADVANCED															
- NYLON	309.6625	1605	2239	2315	1439	1492	2304	2034	1274	1946				16648	23174
- POLYESTER	309.6630	560	403	465	827	511	434	733	402	408				4743	5755
- ACRYLIC	309.6645	0	0	6	0	19	0	188	36	40				289	202
- OTHER	309.6660	892	813	256	748	922	692	738	489	835				6385	1520
NOILS & GARNETTED FIBERS	309.6000 & .7000*	+	59	0	0	62	0	0	0	0				121	124
OTHER WASTE, ADVANCED	309.7525 - .7555	324	357	372	456	253	246	261	128	85				2482	2762
SUBTOTAL ABOVE		**3381**	**3871**	**3414**	**3470**	**3259**	**3676**	**3954**	**2329**	**3314**				**30668**	**33537**
TOTAL MAN-MADE ABOVE		**30752**	**30009**	**30293**	**28488**	**29341**	**32849**	**36467**	**30898**	**30286**				**279383**	**251815**
OTHER MAN-MADE FIBER TOPS, YARN & THREAD															
YARN - PLIED															
TEXTURED - CELLULOSIC	310.1506	0	0	+	0	+	+	0	1	+				1	1
- NONCELLULOSIC	310.1015[d]& .1205[e]	1743	1666	1034	1666	1137	770	519	372	310				9217	7036
OTHER - CELLULOSIC	310.1030 & .1535[f]	83	108	41	13	20	49	56	12	7				389	331
- NONCELLULOSIC	310.1050 & .1070[g]	496	261	113	248	321	722	385	505	268				3319	3812
SPUN YARN - CELLULOSIC	310.4005 & .4030[h]	227	105	155	182	232	282	361	221	343				2108	1329
- OTHER	310.4015 & .4027[i]	2619	3160	3542	3597	3591	4132	5686	4284	3364				33975	27196
OTHER YARNS - NES, INCL. CHENILLE	310.6029 - .8000	225	385	830	1278	1957	1713	2388	2165	1356				12297	6719
HANDWORK YARNS & SEWING THREAD	310.9000 - .9140[j]	284	491	478	387	411	495	369	369	406				3690	6527
SLIVER, TOPS & ROVING	309.9000	282	239	493	226	240	271	255	306	327				2639	1683
TEXTILE GLASS FIBER	309.2800 & .2900[k]	2142	3090	2643	2221	1883	1891	2025	1328	1014				18237	25263
GRAND TOTAL ABOVE		**38853**	**39514**	**39622**	**38306**	**39133**	**43174**	**48511**	**40461**	**37681**				**365255**	**331712**

SOURCE: U.S. Census Bureau Report IM145X.

NES - Not elsewhere specified.

+ Means a nominal poundage.

* These items are not reported by the Census as cellulosic vs. noncellulosic. Any separation between cellulosic and noncellulosic is estimated, based mainly on average declared value.

a. Also includes 310.0510 & .0610.

b. Also includes 310.0530, .0550, .0630 & .0650.

c. Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.

d. There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

e. Also includes 310.1210, .1510 & .1514.

f. Also includes 310.2110.

g. Also includes 310.1550, .1555, .1570, .2030, .2050, .2130, .2150.

h. Also includes 310.5030.

i. Also includes 310.4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051.

j. Also includes 310.9300 & .9500.

k. Chiefly roving. Also includes 309.9800 & .9900.

TABLE 6:
U.S. EXPORTS OF MAN-MADE FIBERS

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/78	1986												YEAR TO DATE	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1986	1985
CELLULOSIC FIBERS															
FILAMENT YARN[a]															
TEXTURED	310.0006	0	3	5	22	3	4	30	+	18				85	64
OTHER[b]	310.0026	483	499	712	729	742	573	532	435	632				5337	6426
MONOFILAMENTS	309.0110	18	3	22	8	1	0	12	0	156				220	73
STRIPS	309.2210	0	0	1	1	12	0	0	0	0				14	37
SUBTOTAL ABOVE		**501**	**505**	**740**	**760**	**758**	**577**	**574**	**435**	**806**				**5656**	**6600**
STAPLE+TOW-RAYON	309.4222	2262	2482	5331	790	2402	1665	3084	2893	1446				22355	28330
STAPLE-ACETATE	309.4219	175	102	162	223	208	64	77	141	135				1287	1254
SUBTOTAL ABOVE		**2437**	**2584**	**5493**	**1013**	**2610**	**1729**	**3161**	**3034**	**1581**				**23642**	**29584**
WASTE, ADVANCED&NOT ADVANCED	309.7400	**68**	**233**	**157**	**303**	**126**	**171**	**95**	**309**	**69**				**1531**	**999**
NONCELLULOSIC FIBERS															
YARN - SINGLES															
NYLON - TEXTURED	310.0008 & .0009	1373	2025	2135	1843	2066	2230	2097	2397	2245				18411	20815
- HIGH TENACITY[c]	310.0027	5757	6837	5805	5895	5786	5273	7012	6434	6489				55288	52519
- OTHER	310.0029	638	1276	1238	867	425	849	731	753	1212				7989	6956
POLYESTER - TEXTURED	310.0010	7485	8451	9794	5928	15265	4250	4940	2921	2756				61790	98527
- HIGH TENACITY[c]	310.0032	1952	1435	1252	2765	2717	2942	1361	1355	1262				17041	24616
- OTHER[d]	310.0034	735	128	90	189	151	341	60	203	202				2099	7135
OTHER - TEXTURED	310.0014	8990	916	1023	1116	906	1433	1067	1586	1281				18318	6950
- OLEFIN	310.0040	67	951	84	119	87	45	25	72	61				1511	390
- OTHER	310.0044	212	600	479	524	742	400	697	394	709				4757	6405
MONOFILAMENTS, ALL DENIERS															
NYLON	309.0120	376	287	312	533	437	561	332	258	479				3575	1792
POLYESTER[e]	309.0140	663	503	340	535	589	432	405	453	464				4384	4640
OTHER	309.0170	283	450	537	418	373	292	249	436	335				3373	8576
STRIPS	309.2220 & .2270	320	283	194	211	362	379	479	499	243				2970	3163
SUBTOTAL ABOVE		**28851**	**24142**	**23283**	**20943**	**29906**	**19427**	**19455**	**17761**	**17738**				**201506**	**242484**
STAPLE - NYLON	309.4240	1111	1230	1074	1054	1348	1272	858	801	1383				10131	8272
- POLYESTER	309.4242	8164	8395	6714	6651	9885	8676	9271	7998	7994				73748	154322
- ACRYLIC	309.4245	8607	7909	4248	4524	5220	3756	2981	4175	4515				45935	116937
- OLEFIN	309.4246	1844	1327	1269	1105	437	623	1018	1039	1242				9904	5588
- OTHER	309.4247	1124	2228	1796	1208	1324	1154	1351	813	1391				12389	7989
GROUPED FILAMENTS															
NYLON	309.3220	238	350	176	336	1987	226	204	356	291				4164	1464
POLYESTER[d]	309.3240	1997	2797	1950	1832	280	1339	1281	1135	2840				15451	24001
ACRYLIC	309.3250 & .3255	2090	2775	3435	1893	2280	1117	815	1925	1467				17797	23241
SUBTOTAL ABOVE		**25175**	**27011**	**20662**	**18603**	**22761**	**18163**	**17779**	**18242**	**21123**				**189519**	**341814**
WASTE, ADVANCED&NOT ADVANCED															
- NYLON	309.7620	299	806	408	628	785	387	525	1036	1265				6139	3873
- POLYESTER	309.7630	3848	5678	4934	7109	5390	4966	2224	5372	6118				45639	31199
- ACRYLIC	309.7640	569	624	1080	228	399	824	322	363	118				4527	3304
- OTHER	309.7660	3831	4801	3139	3779	3701	3241	1752	3903	3598				31745	11594
SUBTOTAL ABOVE		**8547**	**11909**	**9561**	**11744**	**10275**	**9418**	**4823**	**10674**	**11099**				**88050**	**49970**
TOTAL MAN-MADE ABOVE		**65579**	**66384**	**59896**	**53366**	**66436**	**49485**	**45887**	**50455**	**52416**				**509904**	**671451**
TEXTILE GLASS FIBER	309.2700 & .9700	4355	4551	5042	4580	5008	4536	5148	5639	5973				44832	46786
GRAND TOTAL ABOVE		**69934**	**70935**	**64938**	**57946**	**71444**	**54021**	**51035**	**56094**	**58389**				**554736**	**718237**

SOURCE: U.S. Census Bureau Report EM522.

a. Includes thrown, singles and plied yarn.

b. Includes an undetermined amount of rayon tire cord and cord fabric.

c. Includes an undetermined amount of noncellulosic tire cord and cord fabric.

d. Includes zero twist yarns.

e. These data are obviously incorrect because of misclassification. Most of these poundages should be included with filament yarn.

TABLE 7A:
QUARTERLY MAN-MADE FIBER DATA

MILLION POUNDS

ITEM	1984					1985					1986				
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR
						YARN+MONOFILAMENTS[a]									
CELLULOSIC YARN[f]															
PRODUCTION	55.2	56.0	50.0	37.0	198.2	52.8	54.5	48.4	48.9	204.6	54.3	54.7	54.1		
SHIPMENTS - DOMESTIC	48.7	51.9	43.4	36.1	180.1	44.4	48.0	46.6	48.1	187.1	48.6	50.4	47.7		
- EXPORT	5.8	4.2	4.4	3.8	18.2	7.3	6.0	4.6	5.1	23.0	4.7	5.1	4.9		
TOTAL SHIPMENTS	54.5	56.1	47.8	39.9	198.3	51.7	54.0	51.2	53.2	210.1	53.3	55.5	52.6		
ENDING STOCK	13.2	13.1	15.3	12.4		18.9	19.4	16.6	12.3		13.3	12.5	14.0		
NYLON															
PRODUCTION	400.9	407.9	383.3	385.2	1577.3	370.8	360.3	386.7	397.0	1514.8	396.9	396.5	398.3		
SHIPMENTS - DOMESTIC	365.1	370.7	348.9	353.4	1438.1	323.7	353.0	368.9	371.8	1417.4	363.4	368.7	377.7		
- EXPORT	29.9	30.1	29.1	30.2	119.3	33.5	25.0	33.3	26.6	118.4	26.7	28.2	25.1		
TOTAL SHIPMENTS	395.0	400.8	378.0	383.6	1557.4	357.2	378.0	402.2	398.4	1535.8	390.1	396.9	402.8		
ENDING STOCK	126.7	133.8	139.1	140.7		154.3	136.6	121.1	119.7		126.5	126.1	121.6		
OLEFIN[b]															
PRODUCTION	178.0	184.5	171.5	213.1	747.1	231.6	251.1	234.5	237.3	954.5	245.9	255.7	255.8		
SHIPMENTS - DOMESTIC	169.3	180.2	169.6	206.5	725.6	223.6	246.0	234.4	233.6	937.6	241.3	258.4	253.4		
- EXPORT	4.3	3.8	4.2	4.2	16.5	3.6	3.8	3.2	2.9	13.5	2.4	2.9	2.6		
TOTAL SHIPMENTS	173.6	184.0	173.8	210.7	742.1	227.2	249.8	237.6	236.5	951.1	243.7	261.3	256.0		
ENDING STOCK	60.9	61.4	59.1	61.5		65.9	67.2	64.1	64.9		67.1	61.5	61.3		
POLYESTER															
PRODUCTION	318.8	297.5	279.8	303.9	1200.0	316.2	340.8	345.9	318.0	1320.9	322.2	271.5	284.6		
SHIPMENTS - DOMESTIC	291.9	286.1	276.9	290.0	1144.9	290.1	311.6	309.2	293.3	1204.2	284.8	253.5	272.8		
- EXPORT	14.1	12.4	9.9	16.8	53.2	17.7	30.6	29.0	31.0	108.3	21.8	23.8	14.3		
TOTAL SHIPMENTS	306.0	298.5	286.8	306.8	1198.1	307.8	342.2	338.2	324.3	1312.5	306.6	277.3	287.1		
ENDING STOCK	110.4	109.4	102.4	99.5		107.9	106.5	114.2	107.9		123.5	117.7	115.2		
TOTAL NONCELLULOSIC ABOVE															
PRODUCTION	897.7	889.9	834.6	902.2	3524.4	918.6	952.2	967.1	952.3	3790.2	965.0	923.7	938.7		
SHIPMENTS - DOMESTIC	826.3	837.0	795.4	849.9	3308.6	837.4	910.6	912.5	898.7	3559.2	889.5	880.6	903.9		
- EXPORT	48.3	46.3	43.2	51.2	189.0	54.8	59.4	65.5	60.5	240.2	50.9	54.9	42.0		
TOTAL SHIPMENTS	874.6	883.3	838.6	901.1	3497.6	892.2	970.0	978.0	959.2	3799.4	940.4	935.5	945.9		
ENDING STOCK	298.0	304.6	300.6	301.7		328.1	310.3	299.4	292.5		317.1	305.3	298.1		
DOMESTIC SHIPMENTS	826.3	837.0	795.4	849.9	3308.6	837.4	910.6	912.5	898.7	3559.2	889.5	880.6	903.9		
IMPORTS - TEXTURED YARN[c]	12.4	13.3	12.0	12.3	50.0	16.2	16.2	22.7	17.8	72.9	17.9	19.5	20.4		
- OTHER YARN[c]	12.9	13.2	13.9	11.1	51.1	11.9	12.0	9.3	8.4	41.6	12.3	13.9	14.7		
- MONOFILAMENTS	1.0	0.7	0.8	0.4	2.9	0.6	0.6	0.5	0.4	2.1	0.8	0.6	0.5		
TOTAL IMPORTS	26.3	27.2	26.7	23.8	104.0	28.7	28.8	32.5	26.6	116.6	31.0	34.0	35.6		
TOTAL AVAILABLE	852.6	864.2	822.1	873.7	3412.6	866.1	939.4	945.0	925.3	3675.8	920.5	914.6	939.5		
						TEXTILE GLASS FIBER									
PRODUCTION	333.3	337.0	342.9	380.8	1394.0	NA	NA	NA	NA	NA	NA	NA	NA		
SHIPMENTS - DOMESTIC	305.1	340.8	311.0	293.8	1250.7	300.6	NA	NA	NA	NA	NA	NA	NA		
- EXPORT	11.7	14.8	14.9	16.6	58.0	17.3	NA	NA	NA	NA	NA	NA	NA		
TOTAL SHIPMENTS	316.8	355.6	325.9	310.4	1308.7	317.9	325.6	318.8	297.3	1259.6	330.6	352.6	333.9		
ENDING STOCK	141.2	122.6	139.6	210.0		NA	NA	NA	NA		NA	NA	NA		
IMPORTS	7.8	5.7	5.4	4.2	23.1	7.5	9.4	8.4	9.4	34.7	7.9	6.0	4.4		
TOTAL AVAILABLE	312.9	346.5	316.4	298.0	1273.8	308.1	NA	NA	NA	NA	NA	NA	NA		

FOOTNOTES FOR TABLE ABOVE & OPPOSITE

NA means no longer available.

"Imports" are imports for consumption, as reported by the U.S. Census Bureau.

a. Data for rayon and "other" noncellulosic yarn (chiefly saran & spandex) are available annually only; see pages 52 & 53 of the March 1986 issue for further details on these yarns.

b. Also include film fiber as well as spunbonded polypropylene.

c. Includes singles and plied.

d. Acetate staple+tow data are available annually only; see pages 52 & 53 of the March 1986 issue for further details.

e. These figures are composites of the nylon, acrylic+modacrylic polyester and olefin staple imports, i.e., Commodity Numbers 309.4338, .4342, .4345, & .4346.

f. 1984 data - Acetate Yarn only.

TABLE 7B:
QUARTERLY MAN-MADE FIBER DATA *(Continued)*

MILLION POUNDS

ITEM	1984					1985					1986				
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR
						STAPLE+TOW [d]									
RAYON															
PRODUCTION	**104.0**	**103.7**	**94.0**	**87.5**	**389.2**	**85.6**	**85.8**	**87.2**	**94.1**	**352.7**	**95.1**	**99.7**	**103.4**		
SHIPMENTS - DOMESTIC	90.7	82.5	81.6	77.1	331.9	73.8	76.6	82.9	90.4	323.7	91.6	92.0	95.1		
- EXPORT	11.3	20.3	10.3	10.2	52.1	7.9	13.5	10.0	3.6	35.0	6.3	6.9	7.3		
TOTAL SHIPMENTS	**102.0**	**102.8**	**91.9**	**87.3**	**384.0**	**81.7**	**90.1**	**92.9**	**94.0**	**358.7**	**97.9**	**98.9**	**102.4**		
ENDING STOCK	**25.3**	**26.2**	**28.3**	**28.5**		**32.4**	**28.1**	**22.4**	**22.5**		**19.7**	**20.5**	**21.5**		
DOMESTIC SHIPMENTS	90.7	82.5	81.6	77.1	331.9	73.8	76.6	82.9	90.4	323.7	91.6	92.0	95.1		
IMPORTS FOR CONSUMPTION															
STAPLE	4.4	3.2	3.9	3.9	15.4	3.8	2.2	2.4	2.9	11.3	3.9	3.6	4.6		
GROUPED FILAMENTS	0.4	0.3	0.5	0.4	1.6	0.3	0.3	0.3	0.2	1.1	0.3	0.3	0.3		
TOTAL IMPORTS	4.8	3.5	4.4	4.3	17.0	4.1	2.5	2.7	3.1	12.4	4.2	3.9	4.9		
TOTAL AVAILABLE	95.5	86.0	86.0	81.4	348.9	77.9	79.1	85.6	93.5	336.1	95.8	95.9	100.0		
NYLON															
PRODUCTION	**220.9**	**216.6**	**193.0**	**204.3**	**834.8**	**191.6**	**200.8**	**215.6**	**219.7**	**827.7**	**220.5**	**207.4**	**236.1**		
SHIPMENTS-DOMESTIC	211.1	210.6	194.5	198.2	814.4	192.8	202.7	212.9	221.9	830.3	195.2	203.2	254.3		
-EXPORT	5.6	3.1	4.6	3.6	16.9	3.3	3.1	3.2	3.7	13.3	3.9	2.9	3.0		
TOTAL SHIPMENTS	**216.7**	**213.7**	**199.1**	**201.8**	**831.3**	**196.1**	**205.8**	**216.1**	**225.6**	**843.6**	**199.1**	**206.1**	**257.3**		
ENDING STOCK	**79.3**	**82.2**	**76.1**	**78.6**		**74.1**	**69.1**	**68.6**	**62.7**		**84.1**	**85.4**	**64.2**		
IMPORTS	7.9	7.8	12.1	10.5	38.3	8.7	8.0	12.5	9.3	38.5	11.9	10.6	14.9		
TOTAL AVAILABLE	219.0	218.4	206.6	208.7	852.7	201.5	210.7	225.4	231.2	868.8	207.1	213.8	269.2		
ACRYLIC+MODACRYLIC															
PRODUCTION	**171.7**	**174.9**	**164.7**	**159.5**	**670.8**	**163.0**	**158.5**	**152.1**	**157.2**	**630.8**	**149.0**	**151.1**	**158.0**		
SHIPMENTS-DOMESTIC	120.6	124.2	107.7	94.2	446.7	105.3	119.7	118.6	115.1	458.7	123.1	143.7	138.7		
-EXPORT	48.5	51.3	60.7	59.0	219.5	59.0	42.4	46.7	37.0	185.1	27.1	19.2	17.8		
TOTAL SHIPMENTS	**169.1**	**175.5**	**168.4**	**153.2**	**666.2**	**164.3**	**162.1**	**165.3**	**152.1**	**643.8**	**150.2**	**162.9**	**156.5**		
ENDING STOCK	**75.4**	**74.8**	**71.1**	**77.4**		**76.1**	**72.5**	**59.3**	**64.4**		**63.2**	**51.4**	**52.9**		
IMPORTS	3.3	3.8	3.9	2.5	13.5	3.4	3.6	5.9	4.7	17.6	3.2	4.0	5.3		
TOTAL AVAILABLE	123.9	128.0	111.6	96.7	460.2	108.7	123.3	124.5	119.8	476.3	126.3	147.7	144.0		
OLEFIN+VINYON															
PRODUCTION	**57.3**	**61.8**	**64.4**	**66.4**	**249.9**	**69.1**	**72.7**	**75.1**	**77.8**	**294.7**	**82.4**	**82.3**	**84.7**		
SHIPMENTS-DOMESTIC	53.7	61.0	62.7	63.5	240.9	67.2	71.9	70.8	69.8	279.7	73.9	82.6	76.4		
-EXPORT	3.8	0.6	0.5	0.9	5.8	1.0	2.0	3.2	2.3	8.5	4.2	4.8	4.8		
TOTAL SHIPMENTS	**57.5**	**61.6**	**63.2**	**64.4**	**246.7**	**68.2**	**73.9**	**74.0**	**72.1**	**288.2**	**78.1**	**87.4**	**81.2**		
ENDING STOCK	**19.8**	**20.0**	**21.2**	**23.2**		**24.1**	**22.9**	**24.0**	**29.7**		**34.0**	**28.9**	**32.4**		
POLYESTER															
PRODUCTION	**561.6**	**573.5**	**531.4**	**525.3**	**2191.8**	**520.7**	**512.2**	**468.9**	**518.3**	**2020.1**	**520.8**	**538.7**	**522.1**		
SHIPMENTS-DOMESTIC	514.2	527.7	481.3	469.0	1992.2	456.3	460.2	462.4	493.8	1872.7	499.1	499.9	496.3		
-EXPORT	32.8	34.6	44.8	88.0	200.2	51.0	63.2	29.1	22.6	165.9	25.7	25.0	31.6		
TOTAL SHIPMENTS	**547.0**	**562.3**	**526.1**	**557.0**	**2192.4**	**507.3**	**523.4**	**491.5**	**516.4**	**2038.6**	**524.8**	**524.9**	**527.9**		
ENDING STOCK	**188.7**	**199.9**	**205.2**	**173.5**		**186.9**	**175.7**	**153.1**	**155.0**		**151.0**	**164.8**	**159.0**		
IMPORTS	7.8	5.5	5.2	4.4	22.9	5.5	7.7	7.3	6.3	26.8	9.3	8.9	8.7		
TOTAL AVAILABLE	522.0	533.2	486.5	473.4	2015.1	461.8	467.9	469.7	500.1	1399.5	508.4	508.8	505.0		
TOTAL NONCELLULOSIC															
PRODUCTION	**1011.5**	**1026.8**	**953.5**	**955.5**	**3947.3**	**944.4**	**944.2**	**911.7**	**973.0**	**3773.3**	**972.7**	**979.5**	**1000.9**		
SHIPMENTS-DOMESTIC	899.6	923.5	846.2	824.9	3494.2	821.6	854.5	864.7	900.6	3441.4	891.3	929.4	965.7		
-EXPORT	90.7	89.6	110.6	151.5	442.4	114.3	110.7	82.2	65.6	372.8	60.9	51.9	57.2		
TOTAL SHIPMENTS	**990.3**	**1013.1**	**956.8**	**976.4**	**3936.6**	**935.9**	**965.2**	**946.9**	**966.2**	**3814.2**	**952.2**	**981.3**	**1022.9**		
ENDING STOCK	**363.2**	**376.9**	**373.6**	**352.7**		**361.2**	**340.2**	**305.0**	**311.8**		**332.3**	**330.5**	**308.5**		
DOMESTIC SHIPMENTS	899.6	923.5	846.2	824.9	3494.2	821.6	854.5	864.7	900.6	3441.4	891.3	929.4	965.7		
IMPORTS FOR CONSUMPTION															
3 FIBERS ABOVE [e]	19.0	17.1	21.2	17.4	74.7	17.6	19.3	25.7	20.3	82.9	24.4	23.5	28.9		
OTHER N.C. STAPLE	4.6	4.2	5.3	3.5	17.6	7.1	7.3	8.7	8.2	31.3	7.2	4.4	2.5		
GROUPED FILAMENTS	11.0	9.5	9.6	8.7	38.8	9.5	11.8	11.9	12.3	45.5	14.4	15.0	14.4		
TOTAL IMPORTS	34.6	30.8	36.1	29.6	131.1	34.2	38.4	46.3	40.8	159.7	46.0	42.9	45.8		
TOTAL AVAILABLE	934.2	954.3	882.3	854.5	3625.3	855.8	892.9	911.0	941.4	3601.1	937.3	972.3	1011.5		

See footnotes on opposite page.

TABLE 8:
SELECTED U.S. MONTHLY TEXTILE FIBER DATA

MILLION POUNDS

	1986												YEAR TO DATE[a]	
ITEM	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1986	1985
	TOTAL SHIPMENTS[b]													
MAN-MADE FIBER DATA[c]														
YARN+MONOFILAMENTS[d]														
CELLULOSIC YARN	**17.8**	**17.2**	**18.3**	**19.4**	**18.9**	**17.2**	**17.7**	**17.3**	**17.6**	**17.5**			**178.9**	**174.5**
NYLON[e]	26.3	29.5	28.8	29.1	27.6	26.7	23.3	27.3	25.7	31.1			275.4	288.2
- CARPET	69.6	71.1	71.1	75.7	71.2	74.8	76.8	78.6	83.9	77.6			750.4	686.3
- TEXTILE	30.9	31.1	31.7	32.1	30.6	29.1	29.0	28.0	30.2	30.0			302.7	295.6
POLYESTER - INDUSTRIAL[f]	28.2	25.6	27.9	26.7	24.4	24.6	24.6	24.7	25.5	27.8			260.0	243.5
- TEXTILE[k]	77.1	78.0	69.8	68.3	72.0	60.7	68.5	71.5	72.3	74.1			712.9	859.0
OLEFIN	75.1	84.2	84.4	83.9	85.0	92.4	76.9	88.9	90.2	89.7			850.7	790.0
TOTAL NONCELLULOSIC ABOVE[i]	**307.2**	**319.5**	**313.7**	**315.8**	**311.4**	**308.3**	**299.1**	**319.0**	**327.8**	**330.3**			**3152.1**	**3162.6**
STAPLE +TOW+FIBERFILL[j]														
RAYON	**34.9**	**30.0**	**33.0**	**32.7**	**34.9**	**31.3**	**34.2**	**34.9**	**33.3**	**35.6**			**334.8**	**298.3**
NYLON[e]	70.7	64.1	64.3	67.1	71.9	67.1	79.3	86.6	91.4	91.4			753.9	693.6
ACRYLIC+MODACRYLIC	50.2	47.8	52.2	55.7	55.4	51.8	50.0	50.7	55.8	53.7			523.3	550.4
POLYESTER	179.9	171.2	173.7	180.8	183.9	160.2	166.2	174.0	187.7	188.5			1766.1	1703.0
OLEFIN+VINYON	24.0	25.4	28.7	28.2	29.3	29.9	27.8	27.3	26.1	28.3			275.0	241.0
TOTAL NONCELLULOSIC ABOVE	**324.8**	**308.5**	**318.9**	**331.8**	**340.5**	**309.0**	**323.3**	**338.6**	**361.0**	**361.9**			**3318.3**	**3188.0**
	END-OF-MONTH STOCK													
YARN+MONOFILAMENTS														
CELLULOSIC YARN	**13.3**	**12.2**	**13.3**	**12.1**	**12.2**	**12.5**	**13.3**	**13.3**	**14.0**	**14.7**			**14.7**	**15.2**
NYLON[e] - INDUSTRIAL[f]	23.8	25.6	24.1	26.1	27.2	25.4	30.3	33.6	30.5	30.4			30.4	28.6
- CARPET	55.4	51.8	56.2	52.5	59.0	56.8	55.4	55.8	52.9	42.2			42.2	41.9
- TEXTILE[k]	49.0	46.1	46.2	44.7	45.8	43.9	44.6	40.1	38.2	45.6			45.6	42.9
POLYESTER - INDUSTRIAL[f]	25.1	26.1	26.9	27.2	28.9	31.5	32.0	32.9	34.5	29.8			29.8	25.0
- TEXTILE	84.7	90.3	96.6	96.5	91.9	86.2	82.8	83.9	80.7	82.6			82.6	87.7
OLEFIN[h]	66.7	69.4	67.1	69.5	66.4	61.5	64.7	63.4	61.3	60.3			60.3	61.5
TOTAL NONCELLULOSIC ABOVE	**304.7**	**309.3**	**317.1**	**316.5**	**319.2**	**305.3**	**309.8**	**309.7**	**298.1**	**290.9**			**290.9**	**287.6**
STAPLE+TOW+FIBERFILL														
RAYON	**20.7**	**21.1**	**19.7**	**20.1**	**18.4**	**20.5**	**20.5**	**19.5**	**21.5**	**23.0**			**23.0**	**19.8**
NYLON[e]	63.0	70.4	84.1	89.1	88.0	85.4	78.7	68.4	64.2	62.7			62.7	69.4
ACRYLIC+MODACRYLIC	66.1	66.3	63.2	56.8	53.4	51.4	54.9	56.9	52.9	52.1			52.1	54.4
POLYESTER	147.9	147.3	151.0	148.6	150.4	164.8	170.8	162.4	159.0	150.4			150.4	138.7
OLEFIN+VINYON	33.3	33.7	34.0	31.7	29.7	28.9	30.4	30.6	32.4	29.5			29.5	26.6
TOTAL NONCELLULOSIC ABOVE	**310.3**	**317.7**	**332.3**	**326.2**	**321.5**	**330.5**	**334.8**	**318.3**	**308.5**	**294.7**			**294.7**	**289.1**
WOOL & COTTON CONSUMPTION														
APPAREL CLASS WOOL	12.6	13.2	13.1	13.2	13.3	14.7	11.5	12.2	13.0				116.8	92.6
CARPET CLASS WOOL	1.0	0.8	0.9	0.8	0.7	0.7	0.7	1.1	1.0				7.7	9.6
TOTAL RAW WOOL	13.6	14.0	14.0	14.0	14.0	15.4	12.2	13.3	14.0				124.5	102.2
RAW COTTON	269.5	263.3	265.0	265.2	265.6	280.0	222.9	282.0	289.0	293.2			2695.7	2336.1

a. Year-to-date totals for stock, which is the latest month's data.

b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

c. Producers' total domestic plus export shipments.

d. Rayon yarn data are available annually only; see page 53 of the March 1986 issue.

e. Data for nylon exclude aramid.

f. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

g. Low denier Industrial is defined as finer than 500 denier with an Instron tenacity over 5.5 grams per denier.

h. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.

i. Saran and spandex data are not included in these totals. See page 53 of the March 1986 issue for annual data on these yarns.

j. Acetate staple+tow data are available annually only; see page 53 of the March 1986 issue.

k. Low denier industrial[g] Nylon and Polyester is now included with Textile.

GRAPH 3:
SELECTED U.S. MONTHLY TEXTILE FIBER DATA

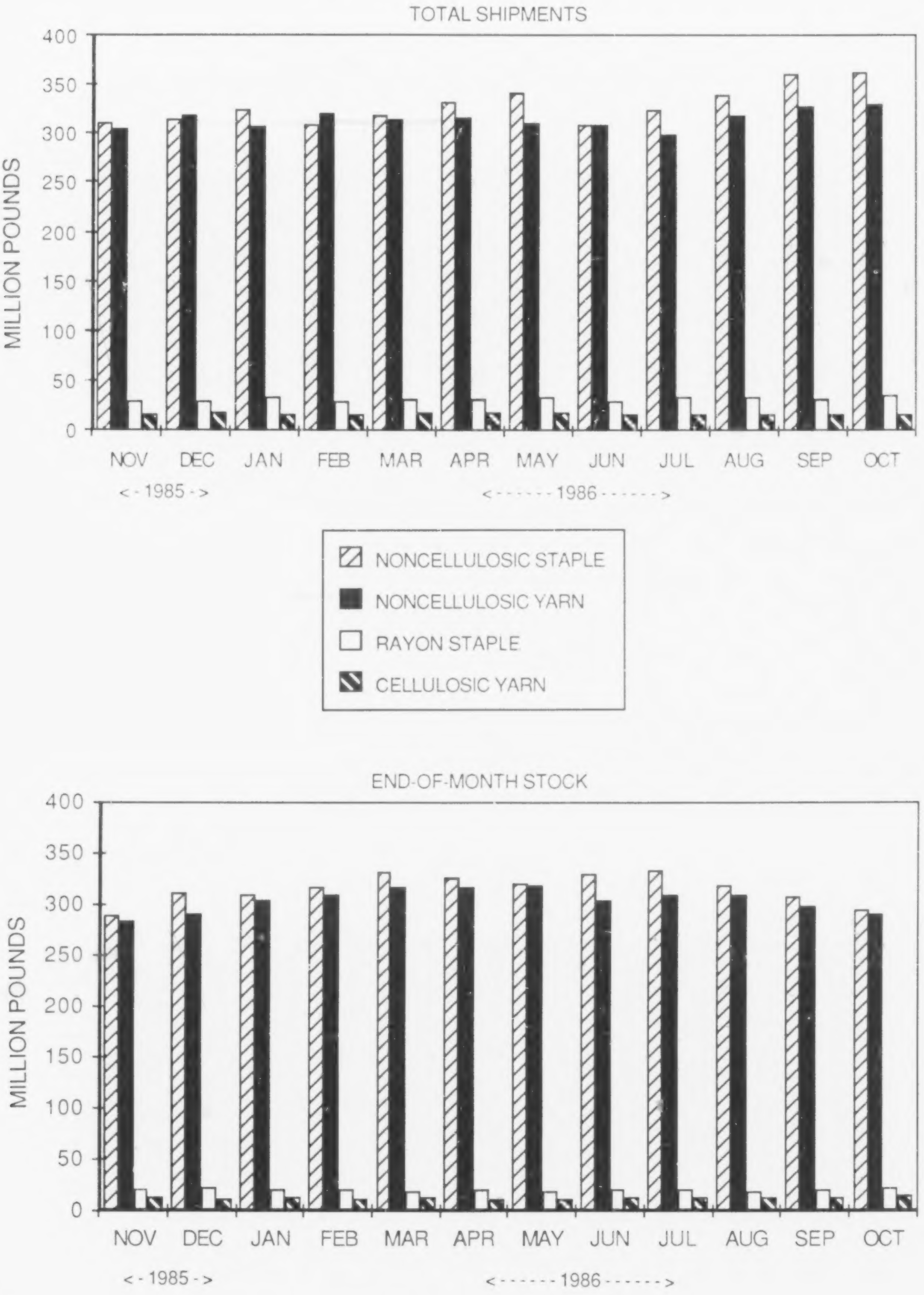


TABLE 9:
RAW FIBER EQUIVALENT OF IMPORTS & EXPORTS OF MAN-MADE FIBER, COTTON & WOOL MANUFACTURES

MILLION POUNDS (REVISED)

	MAN-MADE FIBER							COTTON							WOOL						
	ANNUAL AVERAGE							ANNUAL AVERAGE							ANNUAL AVERAGE						
COMMODITY	1971-1975	1976-1980	1981	1982	1983	1984	1985	1971-1975	1976-1980	1981	1982	1983	1984	1985	1971-1975	1976-1980	1981	1982	1983	1984	1985
IMPORTS																					
SEMIMANUFACTURED PRODUCTS																					
YARN, THREAD, ETC [a]	23.1	37.3	34.9	38.2	58.0	71.0	81.1	24.5	20.5	24.1	28.5	42.1	54.6	56.3	6.5	5.4	5.0	7.7	7.6	16.3	14.1
CLOTH [b]	101.9	88.9	106.2	105.7	138.0	170.4	214.3	277.4	273.0	350.3	266.5	346.3	450.8	435.3	10.1	19.9	27.8	25.6	28.1	39.0	35.8
SUBTOTAL	125.0	126.2	141.1	143.9	196.0	241.4	295.4	301.9	293.5	374.4	295.0	388.4	505.4	491.6	16.6	25.3	32.8	33.3	35.7	55.3	49.9
MANUFACTURED PRODUCTS																					
WEARING APPAREL [c]	273.6	374.9	437.1	486.5	576.0	688.9	800.5	175.9	392.4	504.0	510.5	622.8	759.5	895.7	27.3	40.6	40.9	46.4	58.8	80.8	137.1
INDUSTRIAL [d]	7.3	0.6	0.3	1.1	1.3	0.4	0.9	7.7	6.8	8.8	10.0	14.3	37.6	46.2	NOMINAL POUNDAGES INCLUDED IN OTHER						
HOME FURNISHINGS [e] }	28.1	41.9	60.6	66.5	296.1	411.3	389.7	34.2	45.1	59.5	67.0	78.0	138.9	165.7	12.3	15.2	18.5	19.6	34.8	52.1	60.5
ALL OTHER [f]								14.1	18.4	15.2	14.7	31.9	23.4	28.3	2.2	1.1	0.9	0.8	2.6	1.2	1.3
SUBTOTAL	309.0	417.4	498.0	554.1	873.4	1100.6	1191.1	231.9	462.7	587.5	602.2	747.0	959.4	1135.9	41.8	56.9	60.3	66.8	96.2	134.1	198.9
TOTAL IMPORTS	434.0	543.6	639.1	698.0	1069.4	1342.0	1486.5	533.8	756.2	961.9	897.2	1135.4	1464.8	1627.5	58.4	82.2	93.1	100.1	131.9	189.4	248.8
EXPORTS																					
SEMIMANUFACTURED PRODUCTS																					
YARN, THREAD, ETC [a]	26.5	44.6	62.2	40.2	35.3	38.5	50.9	20.6	29.7	38.1	30.1	31.2	20.0	25.8	16.1	4.1	3.6	4.9	4.0	2.7	9.3
CLOTH [g]	129.4	212.5	256.4	174.8	148.6	152.6	158.6	190.7	223.9	127.7	84.8	59.4	64.5	82.2	0.9	1.2	1.9	1.4	1.1	1.4	1.6
SUBTOTAL	155.9	257.1	318.6	215.0	183.9	191.1	209.5	211.3	253.6	165.8	114.9	90.6	84.5	108.0	17.0	5.3	5.5	6.3	5.1	4.1	10.9
MANUFACTURED PRODUCTS																					
WEARING APPAREL	23.2	62.2	120.7	75.2	70.8	79.4	65.2	35.4	90.6	123.0	80.0	72.1	68.2	55.4	2.0	6.2	4.0	2.9	3.0	2.7	3.9
INDUSTRIAL [d]	13.1	65.5	48.1	27.8	23.2	31.3	30.2	18.8	23.7	17.5	14.3	11.6	14.4	16.5	NOMINAL POUNDAGES INCLUDED IN OTHER						
HOME FURNISHINGS [h]	30.7	65.9	84.2	65.9	10.7	102.9	70.3	27.0	39.1	38.7	28.3	31.6	36.9	32.7	2.0	1.4	0.3	0.2	9.3	6.5	*
ALL OTHER [i]	40.4	55.3	66.1	54.6	172.1	83.3	73.5	25.1	20.8	22.3	15.9	13.7	0.6	0.4	1.6	2.0	2.0	1.4	1.5	1.8	1.2
SUBTOTAL	107.4	248.9	319.1	223.5	276.8	296.9	239.2	106.3	174.2	201.5	138.5	129.0	120.1	105.0	5.6	9.6	6.3	4.5	13.8	11.0	5.1
TOTAL EXPORTS	263.3	506.0	637.7	438.5	460.7	488.0	448.7	317.6	427.8	367.3	253.4	219.6	204.6	213.0	22.6	14.9	11.8	10.8	18.9	15.1	16.0
NET EXPORTS (+) OR NET WORTH (-)	-170.7	-37.6	-1.4	-259.5	-608.7	-854.0	-1037.8	-216.2	-328.4	-594.6	-643.8	-915.8	-1260.2	-1414.5	-35.8	-67.3	-81.3	-89.3	-113.0	-174.3	-232.8

SOURCE: U.S. Department of Agriculture, *Cotton and Wool Outlook & Situation*

a. Man-made fiber yarn exports do not include substantial poundages of indirect exports. Indirect exports are shipments which are billed to a domestic customer by a yarn producer but which are ultimately exported by the customer. Indirect export data are available for the years 1980-1985 only; the corresponding poundages for each year are, respectively (in millions of pounds): 142.4, 254.0, 166.2, 83.1, 106.8, & 158.9.

Includes sliver, tops, roving, plied (textured and other), thrown and spun yarn, sewing thread and hand-work yarns. Yarn singles (textured and other) are not included here; rather they are included in Column 13 on page 54 of the March 1986 ***Textile Organon.***

b. Includes broad & narrow woven fabrics and knit cloth, except that cotton narrow fabrics and wool knit fabrics are included in All Other.

c. Wool includes lace & lace articles, veils & veilings and nets & nettings.

d. The man-made fiber data are tire cord & tire cord fabric.

e. Includes carpets & rugs. Lace window curtains are in All Other.

f. Includes such products as lace & lace articles, lace window curtains, braids, tassels, polishing & dustcloths, etc. Wool includes knit fabric in the piece, but not lace & lace articles, which are in Wearing Apparel. For 1983, 1984 & 1985, cotton and man-made fiber includes imports of soft sided luggage. For those years the poundages were, respectively, 180.5, 228.0, 157.4 for man-made fiber and 14.1, 18.7 & 8.2 for cotton.

g. Includes broad & narrow woven fabrics and knit cloth. Cotton also includes table damask, tire cord & fabric. Cotton knit fabrics and narrow fabrics are included in All Other.

h. Includes carpets & rugs.

i. Includes such products as lace & lace articles, polishing & dustcloths, braids, tassels, etc. Cotton also includes knits and narrow fabric.

Note: In the case of blended fiber products, the poundages of each of the component fibers have been estimated and included in the proper category, e.g., in a polyester and cotton fabric, the polyester portion is tabulated with man-made fiber and the cotton portion with cotton. A waste factor has been included to bring the data to the equivalent raw fiber consumption.

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TEXTILE ORGANON

Volume 57, No. 12 ☐ December 1986

A publication of the *Textile Economics Bureau, Inc.*

MONTHLY REVIEW

Highlights

Third Quarter 1986 shipments of Noncellulosic Yarn + Monofilaments increased by 2.7% . . . see page 294.

Third Quarter 1986 Shipments of Noncellulosic Staple + Tow rose by 3.9% . . . see page 295.

Textile Organon *Features:*

World Natural Fiber Survey . . . begins on page 280.

November 1986 Capacity Survey Analysis . . . begins on page 285.

In November, shipments of noncellulosic yarn+monofilaments totaled 310.8 million pounds, down 5.9% from the 330.3 million pound level of last month.

- ***Nylon industrial yarn*** shipments fell sharply by 12.9% to 27.1 million pounds.
- ***Nylon carpet yarn*** shipments decreased by 5.7% to 73.2 million pounds.
- ***Polyester industrial yarn*** shipments recorded a loss of 9.4% and stood at 25.2 million pounds.

Shipments of noncellulosic staple+tow, during November, totaled 322.0 million pounds, a drop of 11% from the 361.9 million pounds shipped during the month of October.

- ***Acrylic staple+tow*** shipments dropped nearly 17% to 44.6 million pounds.
- ***Nylon staple*** shipments fell by over 15% to 77.6 million pounds.

TABLE 1:
TOTAL MAN-MADE FIBER SHIPMENTS
MILLION POUNDS & *PERCENT CHANGE*

ITEM	1986 NOV	1986 OCT	%[a]	1985 NOV	%[b]	YEAR TO DATE 1986	YEAR TO DATE 1985	%[c]
YARN+MONOFILAMENTS								
CELLULOSIC YARN	**15.2**	**17.5**	***-13.1***	**16.8**	***-9.5***	**194.1**	**191.3**	***+1.5***
NYLON[d] - INDUSTRIAL	27.1	31.1	*-12.9*	25.8	*+5.0*	302.5	314.0	*-3.7*
- CARPET	73.2	77.6	*-5.7*	66.6	*+9.9*	823.6	752.9	*+9.4*
- TEXTILE[e]	29.3	30.0	*-2.3*	29.1	*+0.7*	332.0	324.7	*+2.2*
POLYESTER - INDUSTRIAL	25.2	27.8	*-9.4*	24.1	*+4.6*	285.2	267.6	*+6.6*
- TEXTILE[e]	70.5	74.1	*-4.9*	82.3	*-14.3*	783.4	941.3	*-16.8*
OLEFIN	85.5	89.7	*-4.7*	77.2	*+10.8*	940.6	867.2	*+8.5*
TOTAL NONCELLULOSIC ABOVE	**310.8**	**330.3**	***-5.9***	**305.1**	***+1.9***	**3467.3**	**3467.7**	--
STAPLE+TOW+FIBERFILL								
RAYON	**33.6**	**35.6**	***-5.6***	**31.4**	***+7.0***	**368.4**	**328.0**	***+12.3***
NYLON[d]	77.6	91.4	*-15.1*	68.0	*+14.1*	831.5	761.6	*+9.2*
ACRYLIC+MODACRYLIC	44.6	53.7	*-16.9*	48.5	*-8.0*	567.9	598.9	*-5.2*
POLYESTER	173.5	188.5	*-8.0*	167.7	*+3.5*	1939.6	1870.7	*+3.7*
OLEFIN+VINYON	26.3	28.3	*-7.1*	25.9	*+1.5*	301.3	266.9	*+12.9*
TOTAL NONCELLULOSIC ABOVE	**322.0**	**361.9**	***-11.0***	**310.1**	***+3.8***	**3640.3**	**3498.1**	***+4.1***

-- -- Means no change.
[a] Percent change from previous month to current month.
[b] Percent change to current month from same month last year.
[c] Percent change from cumulative total last year to cumulative total this year.
[d] Nylon excludes Aramid.
[e] Low denier industrial Nylon and Polyester is included with Textile.
Also see footnotes on last page of this issue.

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WORLD PRODUCTION OF RAW COTTON DECLINES

World production of raw cotton decreased by 10.3% during the 1985-1986 season to 78,378 million bales. At 9,022 million bales below 1984, the recent crop remains the second largest in history by a wide margin.

Together China and the United States accounted for 41.5% of total world production.

In 1985, China accounted for over 24% of the total world raw cotton production; however, the 1985-1986 season's production declined 34% to 19,115 million bales from 28,817 million bales in 1984. This reduction is mainly due to cutbacks in harvested acres, from 17.0 million in 1984 to 12.7 million in 1985.

During the 1985 season, the United States produced 13,432 million bales, or 3.5% over the 1984 level of 12,981 million bales. The 1985 crop broke the previous record, set in 1981, by 2,209 million bales.

U.S. MAN-MADE FIBER CAPACITY UTILIZATION RATE AT 83.9%

An increase in domestic man-made fiber production combined with reductions in capacity have contributed to an improved capacity utilization rate for the U.S. man-made fiber industry.

Based on 11-months production data and TEB's November 1986 Capacity Survey results, the industry capacity utilization rate for 1986 stands at 83.9%, compared to 78.3% in 1985.

Total industry capacity (excluding textile glass) has declined over 4% to 9,946 million pounds from the 10,372 million pounds recorded in the November 1985 Survey.

WORLD NATURAL FIBER SURVEY

For the season beginning August 1,1985, world production of raw cotton fell to 78,378 million bales, representing a 10.3% decline from the 87,400 million bales produced during the 1984 season.

In the face of a worldwide decline in raw cotton production, the People's Republic of China reduced output to 19,115 million bales in 1985, a reduction of almost 34% over the seasonal 1984 level of 28,817 million bales. However, the 1985 season was nearly 108% higher than the seasonal 1970 level of 9,200 million bales.

The United States recorded an increase in production during the 1985 season of 3 1/2% to 13,432 million bales over the seasonal 1984 level of 12,981 million bales.

In 1985, world producton of raw wool (greasy basis) remained virtually unchanged and stood at 6,536 million pounds, down 1/2% from the seasonal 1984 level of 6,557 million pounds.

Australia increased output to 1,812 million pounds for the 1985 season, up only 4% from the seasonal 1974 record level of 1,748 million pounds. Production for New Zealand fell to 789 million pounds during the 1985 season, or 4% lower than the 822 million pounds produced over the same period last year.

The 1985 production of Eastern Europe and the People's Republic of China stood at 1,766 million pounds, 3.6% below the seasonal 1984 level of 1,828 million pounds.

Production of raw wool in the United States, in seasonal 1985, fell to 90 million pounds, 7.2% below the 97 million pounds produced during the 1984 season.

TABLE 2: WORLD PRODUCTION, CONSUMPTION, EXPORT & CARRYOVER OF RAW COTTON

MILLION BALES[a] & *PERCENT*

SEASON	PRODUCTION[b]						CONSUMPTION[c]						EXPORT[d]						CARRYOVER[e]					
BEGINNING	TOTAL		U.S.A.		FOREIGN		TOTAL		U.S.A.		FOREIGN		TOTAL		U.S.A.		FOREIGN		TOTAL		U.S.A.		FOREIGN	
AUGUST 1	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%
1950-1954[f]	38.4	*100*	14.0	*36*	24.4	*64*	37.2	*100*	9.3	*25*	27.9	*75*	12.4	*100*	4.0	*32*	8.4	*68*	18.1	*100*	7.6	*42*	10.5	*58*
1955-1959[f]	43.7	*100*	12.9	*30*	30.8	*70*	44.2	*100*	8.7	*20*	35.5	*80*	14.7	*100*	5.1	*35*	9.6	*65*	22.4	*100*	12.0	*54*	10.4	*46*
1960-1964[f]	49.2	*100*	14.9	*30*	34.3	*70*	47.2	*100*	8.7	*18*	38.5	*82*	16.6	*100*	4.9	*30*	11.7	*70*	23.5	*100*	12.3	*52*	11.2	*48*
1965-1969[f]	52.7	*100*	10.6	*20*	42.1	*80*	54.0	*100*	8.8	*16*	45.2	*84*	17.4	*100*	3.6	*21*	13.8	*79*	27.0	*100*	11.3	42	15.7	*58*
1970-1974[f]	63.2	*100*	11.9	*19*	51.3	*81*	59.2	*100*	7.5	*13*	51.7	*87*	18.9	*100*	4.5	*24*	14.4	*76*	23.0	*100*	4.3	*19*	18.7	*81*
1975-1979[f]	60.4	*100*	11.9	*20*	48.5	*80*	62.5	*100*	6.7	*11*	55.8	*89*	19.5	*100*	5.8	*30*	13.7	*70*	25.0	*100*	4.3	*17*	20.7	*83*
1970	54.4	*100*	10.3	*19*	44.1	*81*	56.2	*100*	8.1	*14*	48.1	*86*	17.8	*100*	3.9	*22*	13.9	*78*	21.8	*100*	5.8	*27*	16.0	*73*
1971	59.8	*100*	10.3	*17*	49.5	*83*	58.5	*100*	8.0	*14*	50.5	*86*	18.9	*100*	3.4	*18*	15.5	*82*	20.9	*100*	4.3	*21*	16.6	*79*
1972	63.2	*100*	13.9	*22*	49.3	*78*	60.4	*100*	7.8	*13*	52.6	*87*	21.2	*100*	5.3	*25*	15.9	*75*	21.9	*100*	3.3	*15*	18.6	*85*
1973	63.7	*100*	13.3	*21*	50.4	*79*	62.2	*100*	7.5	*12*	54.7	*88*	19.4	*100*	6.1	*31*	13.3	*69*	24.5	*100*	4.1	*17*	20.4	*83*
1974	64.7	*100*	11.5	*18*	53.2	*82*	58.5	*100*	5.9	*10*	52.6	*90*	17.2	*100*	3.9	*23*	13.3	*77*	25.8	*100*	3.9	*15*	21.9	*85*
1975	54.4	*100*	8.5	*16*	45.9	*84*	61.3	*100*	7.3	*12*	54.0	*88*	18.7	*100*	3.3	*18*	15.4	*82*	31.7	*100*	5.6	*18*	26.1	*82*
1976	57.6	*100*	10.7	*19*	46.9	*81*	60.8	*100*	6.7	*11*	54.1	*89*	17.5	*100*	4.8	*27*	12.7	*73*	24.7	*100*	3.7	*15*	21.0	*85*
1977	63.8	*100*	14.4	*23*	49.4	*77*	60.7	*100*	6.5	*11*	54.2	*89*	19.0	*100*	5.5	*29*	13.5	*71*	21.4	*100*	3.0	*14*	18.4	*86*
1978	59.5	*100*	10.9	*18*	48.6	*82*	63.4	*100*	6.4	*10*	57.0	*90*	19.6	*100*	6.2	*32*	13.4	*68*	26.5	*100*	5.3	*20*	20.9	*80*
1979	64.9	*100*	14.6	*23*	50.3	*77*	65.6	*100*	6.5	*10*	59.1	*90*	23.3	*100*	9.2	*39*	14.1	*61*	23.3	*100*	4.0	*19*	21.2	*91*
1980	64.5	*100*	11.1	*17*	53.4	*83*	66.1	*100*	5.9	*9*	60.2	*91*	19.7	*100*	5.9	*30*	13.8	*70*	22.8	*100*	3.0	*13*	19.8	*87*
1981	70.5	*100*	15.6	*22*	54.9	*78*	65.7	*100*	5.3	*8*	60.4	*92*	21.2	*100*	6.6	*31*	14.6	*69*	21.1	*100*	2.7	*13*	18.4	*87*
1982	67.5	*100*	12.0	*18*	55.5	*82*	67.7	*100*	5.5	*8*	62.2	*92*	18.5	*100*	5.2	*28*	13.3	*72*	25.1	*100*	6.6	*26*	18.5	*74*
1983	67.5	*100*	7.8	*12*	59.7	*88*	69.2	*100*	5.9	*9*	63.3	*91*	19.7	*100*	6.8	*35*	12.9	*65*	26.3	*100*	7.9	*30*	18.4	*70*
1984	87.4	*100*	13.0	*15*	74.4	*85*	70.5	*100*	5.5	*8*	65.0	*92*	20.4	*100*	6.2	*30*	14.2	*70*	25.6	*100*	2.8	*11*	22.8	*89*
1985[g]	78.4	*100*	13.4	*17*	65.0	*83*	74.3	*100*	6.4	*9*	67.9	*91*	19.9	*100*	2.0	*10*	17.9	*90*	43.2	*100*	4.1	*9*	39.1	*91*
1986[g]	72.6	*100*	10.5	*14*	62.1	*86*	76.1	*100*	6.8	*9*	69.3	*91*	22.3	*100*	6.5	*29*	15.8	*71*	47.7	*100*	9.4	*20*	38.3	*80*

SOURCE: International Cotton Advisory Committee.

For earlier years' data, see the October 1960 and 1969 ***Organon*** issues, pages pages 167 & 176.

a. Bales of 478 pounds, expect running bales for the United States through 1971.

b. Means actual ginnings or pressings during the August-July season. n some countries, unpressed cotton and estimates of production for household consumption and for delivery to mills are included. U.S. production also includes the city crop, etc. Note that U.S. production shown in the table on page 281 includes only the ginnings within the crop year shown.

c. Includes raw cotton consumed in spinning mills and other factories plus estimates of household consumption.

d. Means the export of domestically produced cotton.

e. Includes mill stocks, port stocks and stocks in transit, etc. U.S.A. means the carryover of U.S. cotton in the world regardless of where located, FOREIGN means the carryover of foreign cotton in the world regardless of location.

f. Five-year averages.

g. The 1985 & 1986 data are preliminary or estimated.

TABLE 3:
WORLD RAW COTTON PRODUCTION BY PRODUCING COUNTRIES[a]
THOUSAND BALES & *PERCENT*

SEASON BEGINNING AUGUST 1	WORLD TOTAL		NORTH & SOUTH AMERICA												PRC & E. EUROPE					
			BRAZIL		MEXICO		U.S.A.		OTHER N.A.[b]		OTHER S.A.[c]		TOTAL		CHINA[d]		U.S.S.R.[e]		TOTAL	
	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%
1950-1954	38403	*100*	1666	*4.3*	1340	*3.5*	14046	*36.6*	179	*0.5*	1170	*3.0*	18401	*47.9*	4480	*11.6*	5945	*15.5*	10425	*27.1*
1955-1959	43718	*100*	1490	*3.4*	2050	*4.7*	12945	*29.6*	422	*1.0*	1325	*3.0*	18232	*41.7*	7060	*16.2*	6925	*15.8*	13985	*32.0*
1960-1964	49171	*100*	2220	*4.5*	2191	*4.5*	14881	*30.3*	931	*1.9*	1643	*3.3*	21866	*44.5*	5580	*11.4*	7533	*15.3*	13113	*26.7*
1965-1969	52716	*100*	2679	*5.1*	2211	*4.2*	10595	*20.1*	1049	*2.0*	1576	*3.0*	18110	*34.4*	8240	*15.6*	9277	*17.6*	17517	*33.2*
1970-1974	61175	*100*	2756	*4.5*	1733	*2.8*	11851	*19.4*	1279	*2.1*	1871	*3.1*	19490	*31.9*	10480	*17.1*	11344	*18.6*	21824	*35.7*
1975-1979	60396	*100*	2327	*3.8*	1334	*2.2*	11876	*19.7*	1469	*2.4*	2222	*3.7*	19228	*31.8*	10070	*16.7*	12363	*20.5*	22433	*37.2*
1970	54412	*100*	2740	*5.0*	1440	*2.6*	10269	*18.9*	895	*1.7*	1509	*2.8*	16853	*31.0*	9200	*16.9*	10900	*20.1*	20100	*37.0*
1971	59822	*100*	3135	*5.2*	1715	*2.9*	10270	*17.2*	1189	*2.0*	1630	*2.7*	17939	*30.0*	10200	*17.1*	11090	*18.5*	21290	*35.6*
1972	63266	*100*	3000	*4.7*	1780	*2.8*	13890	*22.0*	1268	*2.0*	1869	*3.0*	21807	*34.5*	9800	*15.5*	11205	*17.7*	21005	*33.2*
1973	63657	*100*	2465	*3.9*	1500	*2.4*	13300	*20.9*	1611	*2.5*	1992	*3.1*	20868	*32.8*	11700	*18.4*	11190	*17.5*	22890	*35.9*
1974	64716	*100*	2440	*3.8*	2230	*3.5*	11525	*17.8*	1430	*2.2*	2357	*3.6*	19982	*30.9*	11500	*17.8*	12335	*19.0*	23835	*36.8*
1975	54376	*100*	1800	*3.3*	910	*1.7*	8500	*15.6*	1281	*2.4*	1893	*3.5*	14384	*26.5*	10700	*19.7*	11815	*21.7*	22515	*41.4*
1976	57569	*100*	2510	*4.4*	1045	*1.8*	10650	*18.5*	1562	*2.7*	2302	*4.0*	18069	*31.4*	10000	*17.4*	12125	*21.0*	22125	*38.4*
1977	63836	*100*	2116	*3.3*	1620	*2.5*	14389	*22.6*	1674	*2.6*	2646	*4.1*	22445	*35.1*	9470	*14.8*	12478	*19.5*	21948	*34.3*
1978	59482	*100*	2519	*4.2*	1563	*2.6*	10856	*18.3*	1657	*2.8*	2105	*3.5*	18700	*31.4*	10013	*16.8*	11840	*19.9*	21853	*36.7*
1979	64938	*100*	2629	*4.0*	1509	*2.3*	14629	*22.6*	1141	*1.8*	2212	*3.4*	22120	*34.1*	10217	*15.7*	12420	*19.1*	22637	*34.8*
1980	64484	*100*	2825	*4.4*	1620	*2.5*	11122	*17.2*	1191	*1.8*	1991	*3.1*	18749	*29.0*	12508	*19.4*	13175	*20.4*	25683	*39.8*
1981	70505	*100*	2939	*4.2*	1440	*2.0*	15641	*22.3*	917	*1.3*	2032	*2.9*	22969	*32.7*	13702	*19.4*	12985	*18.4*	26687	*37.8*
1982	67499	*100*	2985	*4.4*	840	*1.2*	11963	*17.7*	806	*1.2*	1259	*1.9*	17853	*26.4*	16595	*24.6*	11970	*17.7*	28565	*42.3*
1983	67549	*100*	2554	*3.8*	1038	*1.5*	7771	*11.5*	810	*1.2*	2026	*3.0*	14199	*21.0*	21370	*31.6*	12291	*18.2*	33661	*49.8*
1984	87400	*100*	4455	*5.1*	1248	*1.4*	12981	*14.9*	824	*0.9*	2699	*3.1*	22207	*25.4*	28817	*33.0*	11094	*12.7*	39911	*45.7*
1985[f]	78378	*100*	3720	*4.7*	957	*1.2*	13432	*17.2*	557	*0.7*	2121	*2.7*	20787	*26.5*	19115	*24.4*	11884	*15.2*	30999	*39.6*
1986[f]	72572	*100*	3000	*4.1*	777	*1.1*	10500	*14.5*	441	*0.6*	2156	*3.0*	16874	*23.3*	19370	*26.7*	11810	*16.3*	31180	*43.0*

SEASON BEGINNING AUGUST 1	WEST EUROPE TOTAL[g]		ASIA & OCEANIA										AFRICA							
			INDIA		PAKISTAN		TURKEY		OTHER[h]		TOTAL		EGYPT		SUDAN		OTHER[i]		TOTAL	
	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%
1950-1954	236	*0.6*	3432	*8.9*	1330	*3.5*	642	*1.7*	727	*1.9*	6131	*16.0*	1713	*4.5*	387	*1.0*	1110	*2.9*	3210	*8.4*
1955-1959	537	*1.2*	4012	*9.2*	1381	*3.2*	763	*1.7*	1129	*2.6*	7285	*16.7*	1815	*4.2*	502	*1.1*	1362	*3.1*	3679	*8.4*
1960-1964	838	*1.7*	4769	*9.7*	1663	*3.4*	1118	*2.3*	1644	*3.3*	9194	*18.7*	2045	*4.1*	691	*1.4*	1424	*2.9*	4160	*8.4*
1965-1969	778	*1.5*	4850	*9.2*	2268	*4.3*	1787	*3.4*	2065	*3.9*	10970	*20.8*	2205	*4.2*	946	*1.8*	2190	*4.1*	5341	*10.1*
1970-1974	809	*1.3*	5410	*8.8*	2993	*4.9*	2379	*3.9*	2363	*3.9*	13145	*21.5*	2268	*3.7*	1056	*1.7*	2583	*4.2*	5907	*9.6*
1975-1979	803	*1.3*	5700	*9.4*	2536	*4.2*	2291	*3.8*	2381	*4.0*	12908	*21.4*	1936	*3.2*	663	*1.1*	2425	*4.0*	5024	*8.3*
1970	783	*1.4*	4400	*8.1*	2502	*4.6*	1845	*3.4*	2041	*3.7*	10788	*19.8*	2346	*4.3*	1130	*2.1*	2412	*4.4*	5888	*10.8*
1971	759	*1.3*	5800	*9.7*	3263	*5.5*	2420	*4.0*	2238	*3.7*	13721	*22.9*	2351	*3.9*	1125	*1.9*	2637	*4.4*	6113	*10.2*
1972	916	*1.4*	5370	*8.5*	3237	*5.1*	2505	*4.0*	2479	*3.9*	13591	*21.5*	2369	*3.7*	920	*1.5*	2658	*4.2*	5947	*9.4*
1973	717	*1.1*	5530	*8.7*	3037	*4.8*	2365	*3.7*	2416	*3.8*	13348	*21.0*	2258	*3.6*	1090	*1.7*	2486	*3.9*	5834	*9.2*
1974	869	*1.3*	5950	*9.2*	2925	*4.5*	2760	*4.3*	2640	*4.1*	14275	*22.1*	2018	*3.1*	1015	*1.6*	2722	*4.2*	5755	*8.9*
1975	813	*1.5*	5350	*9.8*	2370	*4.4*	2215	*4.1*	2239	*4.1*	12174	*22.4*	1762	*3.2*	500	*0.9*	2228	*4.1*	4490	*8.2*
1976	733	*1.3*	4950	*8.6*	2006	*3.5*	2190	*3.8*	2401	*4.1*	11547	*20.0*	1828	*3.2*	735	*1.3*	2532	*4.4*	5095	*8.9*
1977	924	*1.4*	5656	*8.9*	2640	*4.2*	2639	*4.1*	2534	*4.0*	13469	*21.2*	1832	*2.9*	911	*1.5*	2307	*3.6*	5050	*8.0*
1978	851	*1.4*	6194	*10.4*	2174	*3.7*	2191	*3.7*	2379	*4.0*	12938	*21.8*	2014	*3.4*	637	*1.1*	2489	*4.2*	5140	*8.7*
1979	656	*1.0*	6274	*9.7*	3343	*5.1*	2191	*3.4*	2368	*3.6*	14176	*21.8*	2221	*3.4*	523	*0.9*	2605	*4.0*	5349	*8.3*
1980	821	*1.4*	6090	*9.4*	3282	*5.1*	2290	*3.6*	2289	*3.5*	13951	*21.6*	2428	*3.8*	441	*0.7*	2411	*3.7*	5280	*8.2*
1981	881	*1.2*	6473	*9.2*	3438	*4.9*	2244	*3.2*	2636	*3.7*	14791	*21.0*	2291	*3.2*	706	*1.0*	2180	*3.1*	5177	*7.3*
1982	718	*1.1*	6320	*9.4*	3775	*5.6*	2241	*3.3*	2598	*3.8*	14934	*22.1*	2115	*3.1*	915	*1.4*	2399	*3.6*	5429	*8.1*
1983	765	*1.1*	5868	*8.7*	2149	*3.2*	2398	*3.6*	2969	*4.4*	13384	*19.9*	1839	*2.7*	1003	*1.5*	2698	*4.0*	5540	*8.2*
1984	921	*1.1*	7925	*9.1*	4628	*5.3*	2664	*3.0*	3264	*3.7*	18481	*21.1*	1834	*2.1*	902	*1.0*	3144	*3.6*	5880	*6.7*
1985[f]	1128	*1.4*	8355	*10.7*	5512	*7.0*	2370	*3.0*	3420	*4.4*	19657	*25.1*	1985	*2.5*	675	*0.9*	3147	*4.0*	5807	*7.4*
1986[f]	1130	*1.6*	7000	*9.6*	5400	*7.4*	2200	*3.0*	2850	*3.9*	17450	*23.9*	1979	*2.7*	700	*1.0*	3259	*4.5*	5938	*8.2*

SOURCE: International Cotton Advisory Committee.

a. Foreign imports in equivalent 500-pound bales.

b. Baleages are principally from El Salvador, Guatemala & Nicaragua

c. Baleages are principally from Argentina, Colombia, Paraguay & Peru.

d. Figures include nominal baleages for North Korea & Vietnam

e. Figures include nominal baleages for Albania & Bulgaria.

f. Data are preliminary.

g. Baleages are principally from Greece & Spain.

h. Baleages are chiefly from Australia, Iran, Israel & Syria.

i. Baleages are principally from Angola, Chad, Mozambique, Nigeria, South Africa, Tanzania, Uganda, Zaire & Zimbabwe.

TABLE 4:
SUPPLY AND DISTRIBUTION OF DOMESTIC & FOREIGN RAW COTTON IN THE U.S.
FOR THE SEASONS BEGINNING AUGUST 1ST
THOUSAND RUNNING BALES[a]

SUPPLY & DISTRIBUTION	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986[b]
SUPPLY												
BEGINNING STOCK (AUGUST 1ST)	5481	3594	2920	5326	3782	3027	2668	6632	7937	2777	4102	9352
NET IMPORTS	88	38	5	4	5	28	26	23	12	14	14	10
U.S PRODUCTION (GINNINGS)[c]	8199	10385	14077	10477	14390	10671	15646	11963	7771	12981	13432	10500
CITY CROP (EST)[d]	5	10	+	+	+	131	266					
TOTAL SUPPLY	**13773**	**14027**	**17002**	**15807**	**18177**	**13857**	**18606**	**18618**	**15720**	**15772**	**17548**	**19862**
DISTRIBUTION												
NET EXPORTS	3247	4565	5219	5850	8779	5611	6567	5200	6786	6215	1960	6500
U.S. CONSUMPTION	6995	6478	6236	6098	6261	5660	5264	5513	5926	5540	6389	6800
ADJUSTMENT ITEM[e]	-63	64	221	77	110	g	123	-22	200	0	0	0
ENDING STOCK (JULY 31ST)	3594	2920	5326	3782	3027	2586	6632	7937	2777	4102	9352	6562
DIVIDED AS-												
PRIVATELY OWNED	3483	2604	4057	3145	2485	1934		NO LONGER AVAILABLE				
GOVERNMENT CONTROLLED[f]	111	316	1269	637	542	652[h]						
TOTAL DISTRIBUTION	**13773**	**14027**	**17002**	**15807**	**18177**	**13857**	**18586**	**18628**	**15689**	**15857**	**17701**	**19862**

SOURCES: U.S. Census Bureau, *Current Industrial Report M22-P; USDA Cotton and Wool Situtation; and the New York Cotton Exchange Service Bureau.*

For earlier years' data, see page 178 of the October 1967 ***Organon*** and page 158 of the October 1978 issue.

a. Foreign imports in equivalent 500-pound bales.
b. Data estimated except for beginning stock.
c. Total ginnings within the crop year shown. Note that U.S. production given in the world tables on page 280 and 281 also includes city crop, etc.
d. Consists of rebaled samples and pickings from cotton damaged by fire and weather (partially estimated).
e. The Census Bureau's difference between supply and distribution resulting from baleage destroyed, cotton in transit, etc.
f. Loan and pooled cotton under CCC and earlier programs.
g. Included in city crop above.
h. Preliminary data, subject to revision.

TABLE 5:
U.S. CALENDAR YEAR IMPORTS & EXPORTS OF RAW COTTON & COTTON PRODUCTS
THOUSAND RUNNING BALES

PRODUCTS	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
IMPORTS																
RAW COTTON	37	38	75	33	46	50	96	9	3	6	17	26	20	12	14	14
COTTON YARN	51	66	82	53	27	24	54	27	63	25	39	48	59	88	114	112
MANUFACTURED GOODS[a]	914	960	1190	1121	1020	1020	1422	1368	1698	1529	1650	1956	1869	2366	3053	3366
TOTAL	**1002**	**1064**	**1347**	**1207**	**1093**	**1094**	**1572**	**1404**	**1764**	**1560**	**1706**	**2030**	**1948**	**2466**	**3181**	**3492**
EXPORTS																
RAW COTTON	2982	4128	3089	5487	5171	3840	3431	4448	5875	6649	7975	6567	5200	6786	6215	1960
COTTON YARN	32	34	37	32	37	25	25	21	42	59	64	45	37	39	42	35
MANUFACTURED GOODS[a]	383	438	568	645	781	712	836	749	699	940	1037	720	528	458	429	439
TOTAL	**3397**	**4600**	**3694**	**6164**	**5989**	**4577**	**4292**	**5218**	**6616**	**7648**	**9076**	**7332**	**5765**	**7283**	**6686**	**2434**
IMPORT BALANCE[b]																
COTTON YARN+ MANUFACTURED GOODS[a]	+550	+554	+667	+497	+229	+307	+615	+625	+1020	+555	+588	+1239	+1363	+1957	+2696	+3004

SOURCES: U.S. Census Bureau and Department of Agriculture.

Raw cotton data are actual bales. Cotton yarn and manufactured goods data are the USDA raw cotton equivalents of these imports and exports.

a. Includes thread, twine, cordage, woven & knit cloth, all types of apparel, household items and other items such as industrial belts and belting, bags, braids and narrow fabrics.
b. Import balance (+) and export balance (-).

TABLE 6:
U.S. COTTON ACREAGE & YIELD

SEASON BEGINNING AUGUST 1	HARVESTED THOUSAND ACRES	YIELD[a] LBS	PRODUCTION THOUSAND BALES [b]
1965	13615	527	14938
1966	9552	480	9557
1967	7997	447	7443
1968	10160	516	10926
1969	11055	434	9990
1970	11155	438	10184
1971	11471	438	10477
1972	12984	507	13704
1973	11970	520	12974
1974	12567	441	11540
1975	8796	453	8302
1976	10914	465	10581
1977	13282	520	14389
1978	12400	420	10856
1979	12831	547	14629
1980	13215	404	11122
1981	13841	542	15641
1982	9730	590	11962
1983	7348	508	7771
1984	10379	600	12981
1985[c]	10306	626	13432
1986[d]	8920	565	10500

SOURCE: International Cotton Advisory Committee

a. Per harvested acre.

b. Production for the crop year in 480-pound net weight bales, regardless of when ginned. Does not include adjustment for city crop, etc.

c. Preliminary data.

d. International Cotton Advisory Committee estimate.

TABLE 7:
WORLD RAW WOOL PRODUCTION BY THE PRINCIPAL PRODUCING COUNTRIES [a]

MILLION POUNDS, GREASY BASIS & *PERCENT*

	AUSTRALIA		NEW ZEALAND		SOUTH AFRICA[c]		ARGENTINA		URUGUAY		UNITED STATES		UNITED KINGDOM		TURKEY		E. EUROPE & CHINA [d]		ALL OTHERS[e]		WORLD TOTAL	
YEAR[b]	LBS	%	LBS	%	LBS	%	LBS	%	LBS	%	LBS	%	LBS	%	LBS	%	LBS	%	LBS	%	LBS	%
1935 - 39[f]	1018	*26.3*	309	*8.0*	263	*6.8*	377	*9.8*	118	*3.1*	439	*11.4*	111	*2.9*	60	*1.5*	293	*7.6*	875	*22.6*	3863	*100*
1940 - 44[f]	1129	*27.4*	344	*8.3*	254	*6.2*	500	*12.1*	137	*3.3*	462	*11.2*	102	*2.5*	68	*1.7*	306	*7.4*	821	*19.9*	4123	*100*
1945 - 49[f]	1023	*26.9*	370	*9.7*	222	*5.8*	452	*11.9*	161	*4.2*	332	*8.7*	85	*2.2*	71	*1.9*	410	*10.8*	684	*17.9*	3810	*100*
1950 - 54[f]	1202	*27.6*	419	*9.6*	272	*6.3*	401	*9.2*	193	*4.4*	289	*6.6*	96	*2.2*	76	*1.7*	667	*15.3*	745	*17.1*	4360	*100*
1955 - 59[f]	1537	*29.5*	513	*9.8*	313	*6.0*	406	*7.8*	184	*3.5*	305	*5.9*	113	*2.2*	90	*1.7*	945	*18.2*	800	*15.4*	5206	*100*
1960 - 64[f]	1713	*30.2*	607	*10.7*	304	*5.4*	413	*7.3*	187	*3.3*	295	*5.2*	127	*2.2*	98	*1.7*	1132	*20.0*	796	*14.0*	5672	*100*
1965 - 69[f]	1836	*30.7*	717	*12.0*	310	*5.2*	454	*7.6*	181	*3.0*	222	*3.7*	123	*2.1*	100	*1.7*	1216	*20.3*	817	*13.7*	5976	*100*
1970 - 74[f]	1764	*30.6*	681	*11.8*	246	*4.2*	410	*7.1*	138	*2.4*	169	*2.9*	106	*1.8*	110	*1.9*	1339	*23.2*	813	*14.1*	5776	*100*
1975 - 79[f]	1567	*26.5*	707	*12.0*	230	*3.9*	385	*6.5*	145	*2.5*	113	*1.9*	106	*1.8*	122	*2.1*	1549	*26.3*	975	*16.5*	5899	*100*
1965	1663	*29.0*	695	*12.1*	329	*5.7*	430	*7.5*	183	*3.2*	241	*4.2*	129	*2.3*	95	*1.7*	1138	*19.9*	826	*14.4*	5729	*100*
1966	1762	*30.1*	709	*12.1*	292	*5.0*	441	*7.5*	178	*3.0*	236	*4.0*	132	*2.3*	97	*1.7*	1178	*20.1*	828	*14.2*	5853	*100*
1967	1770	*29.5*	728	*12.2*	304	*5.1*	494	*8.2*	185	*3.1*	227	*3.8*	128	*2.1*	101	*1.7*	1239	*20.7*	818	*13.6*	5994	*100*
1968	1949	*31.6*	732	*11.9*	313	*5.1*	461	*7.5*	181	*2.9*	211	*3.4*	119	*1.9*	106	*1.7*	1292	*20.9*	811	*13.1*	6175	*100*
1969	2035	*33.2*	723	*11.8*	310	*5.0*	445	*7.3*	176	*2.9*	194	*3.2*	106	*1.7*	103	*1.7*	1235	*20.1*	804	*13.1*	6131	*100*
1970	1964	*32.2*	736	*12.1*	271	*4.4*	441	*7.2*	172	*2.8*	187	*3.1*	101	*1.7*	104	*1.7*	1303	*21.3*	828	*13.5*	6107	*100*
1971	1941	*32.5*	710	*11.9*	258	*4.3*	417	*7.0*	119	*2.0*	181	*3.0*	104	*1.7*	106	*1.8*	1327	*22.2*	809	*13.6*	5972	*100*
1972	1620	*29.1*	681	*12.2*	236	*4.2*	390	*7.0*	132	*2.4*	176	*3.2*	106	*1.9*	110	*2.0*	1310	*23.6*	799	*14.4*	5506	*100*
1973	1545	*28.2*	628	*11.5*	231	*4.2*	397	*7.3*	132	*2.4*	159	*2.9*	108	*2.0*	115	*2.1*	1343	*24.5*	816	*14.9*	5474	*100*
1974	1748	*30.3*	648	*11.2*	238	*4.1*	406	*7.0*	141	*2.5*	143	*2.5*	110	*1.9*	115	*2.0*	1413	*24.5*	809	*14.0*	5771	*100*
1975	1662	*28.8*	688	*11.9*	238	*4.1*	414	*7.2*	152	*2.6*	128	*2.2*	108	*1.9*	117	*2.0*	1430	*24.8*	837	*14.5*	5774	*100*
1976	1550	*27.0*	668	*11.7*	227	*4.0*	388	*6.8*	141	*2.5*	117	*2.0*	106	*1.8*	119	*2.1*	1435	*25.0*	983	*17.1*	5734	*100*
1977	1493	*25.6*	686	*11.8*	234	*4.0*	379	*6.5*	137	*2.3*	112	*1.9*	101	*1.7*	121	*2.1*	1583	*27.1*	992	*17.0*	5838	*100*
1978	1556	*26.0*	708	*11.8*	225	*3.8*	377	*6.3*	139	*2.3*	104	*1.7*	108	*1.8*	126	*2.1*	1620	*27.1*	1020	*17.1*	5983	*100*
1979	1564	*25.4*	787	*12.8*	227	*3.7*	377	*6.1*	154	*2.5*	106	*1.7*	106	*1.7*	130	*2.1*	1715	*27.8*	1002	*16.2*	6168	*100*
1980	1543	*24.6*	840	*13.4*	231	*3.7*	375	*6.0*	179	*2.8*	108	*1.7*	115	*1.8*	134	*2.1*	1735	*27.6*	1025	*16.3*	6285	*100*
1981	1581	*24.9*	800	*12.6*	242	*3.8*	370	*5.8*	168	*2.7*	112	*1.8*	112	*1.8*	137	*2.2*	1797	*28.4*	1016	*16.0*	6335	*100*
1982	1548	*24.3*	818	*12.9*	249	*3.9*	357	*5.6*	181	*2.8*	108	*1.7*	110	*1.7*	137	*2.2*	1823	*28.7*	1027	*16.2*	6358	*100*
1983	1605	*25.1*	802	*12.5*	238	*3.7*	357	*5.6*	181	*2.8*	104	*1.6*	119	*1.9*	137	*2.1*	1830	*28.6*	1034	*16.1*	6407	*100*
1984	1795	*27.4*	822	*12.6*	231	*3.5*	331	*5.0*	157	*2.4*	97	*1.5*	123	*1.9*	132	*2.0*	1828	*27.8*	1041	*15.9*	6557	*100*
1985[g]	1812	*27.7*	789	*12.1*	216	*3.3*	342	*5.2*	201	*3.0*	90	*1.4*	128	*2.0*	134	*2.1*	1766	*27.0*	1058	*16.2*	6536	*100*
1986[g]	1865	*28.4*	796	*12.1*	218	*3.3*	331	*5.1*	192	*2.9*	86	*1.3*	132	*2.0*	134	*2.0*	1746	*26.7*	1060	*16.2*	6560	*100*

SOURCE: The Commonwealth Secretariat (London) ISSN 0142-1921

a. Apparel plus carpet class shorn wool, as well as pulled wool and wool on skins, mostly at the shorn equivalent.

b. Calendar years for Northern Hemisphere nations; season beginning July first or October first for Southern Hemisphere countries.

c. Excludes Lesotho and South West Africa.

d. Includes U.S.S.R. & Romania only in 1945 and prior years. For 1946 forward, Albania, Bulgaria, People's Republic of China, Czechoslovakia, East Germany, Hungary, Outer Mongolia & Tibet, Poland and Yugoslavia are also included.

d. For 1979 forward, these figures reflect significant revisions of People's Republic of China.

e. Also includes China and Eastern European countries, except U.S.S.R. & Romania, in 1945 and prior years.

f. Five-year averages.

g. Preliminary estimates.

TABLE 8:
SUPPLY & DEMAND OF WOOL IN THE U.S.[a]
MILLION POUNDS, SCOURED BASIS

ITEM	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
MILL CONSUMPTION OF WOOL														
APPAREL CLASS - DOMESTIC	145.7	121.1	86.1	99.5	92.3	87.0	91.2	92.1	77.4	} 142.2	119.7	151.8	153.3	123.0
- FOREIGN	24.8	19.6	11.8	16.6	38.4	34.2	37.3	32.4	47.3					
TOTAL APPAREL CLASS	**170.5**	**140.7**	**97.9**	**116.1**	**130.7**	**121.2**	**128.5**	**124.5**	**124.7**	**142.2**	**119.7**	**151.8**	**153.3**	**123.0**
CARPET CLASS- FOREIGN	**76.4**	**41.4**	**18.6**	**15.9**	**15.2**	**12.7**	**13.1**	**9.9**	**9.2**	**10.7**	**9.8**	**10.7**	**9.9**	**11.7**
SUBTOTAL ABOVE[b]	**246.9**	**182.1**	**116.5**	**132.0**	**145.9**	**133.9**	**141.6**	**134.4**	**133.9**	**152.9**	**129.5**	**162.5**	**163.2**	**134.7**
CONSUMED ON THE COTTON SYSTEM[c]	2.0	1.5	1.0	0.8	3.0	4.1	3.0	2.5	3.8	2.7	1.8	3.3	5.5	4.2
TOTAL RAW WOOL	**248.9**	**183.6**	**117.5**	**132.8**	**148.9**	**138.0**	**144.6**	**136.9**	**137.7**	**155.6**	**131.3**	**165.8**	**168.7**	**138.9**
REPROCESSED - CARPET	2.8	1.7	0.8	0.7										
- OTHER	17.0	15.8	15.9	} 14.1	14.8	16.7	16.8	17.0	10.5	10.9	9.8	8.1	7.6	5.3
REUSED - OTHER	2.6	2.3	1.9											
TOTAL ABOVE	**271.3**	**203.4**	**136.1**	**147.6**	**163.7**	**154.7**	**161.4**	**153.9**	**148.2**	**166.5**	**141.1**	**173.9**	**176.3**	**144.2**
WOOL CONTENT OF IMPORTS														
TOPS[d]	0.4	0.3	0.5	0.3	0.4	0.9	0.6	0.4	0.3	0.3	0.5	0.8	3.3	2.0
YARNS	6.3	4.9	5.4	4.1	5.4	5.8	5.5	3.8	3.9	4.7	7.2	7.6	13.2	12.1
CARPETS & RUGS	12.3	13.6	12.5	11.4	14.1	14.8	13.9	13.9	16.9	18.1	19.6	34.8	51.1	59.2
WOVEN FABRICS[e]	9.5	12.9	9.6	8.8	12.6	19.1	26.4	22.2	21.5	27.8	25.6	28.1	39.1	35.8
KNIT APPAREL	20.0	15.0	12.7	12.2	18.9	25.8	22.3	19.1	24.4	22.8	25.7	30.3	40.1	65.6
OTHER APPAREL	11.2	12.4	11.2	10.7	14.1	18.3	22.6	20.1	17.3	18.1	20.7	28.5	40.9	71.5
OTHER MANUFACTURES[f]	3.3	2.2	1.4	1.1	1.2	1.2	0.9	1.1	0.8	1.3	0.8	1.8	1.7	2.6
TOTAL IMPORTS[g]	**63.0**	**61.3**	**53.3**	**48.6**	**66.7**	**85.9**	**92.2**	**80.6**	**85.1**	**93.1**	**100.1**	**131.9**	**189.4**	**248.8**
WOOL CONTENT OF EXPORTS														
CARPET	1.1	1.9	2.5	1.9	2.3	2.0	0.7	0.3	0.3	0.2	0.2	9.3	6.5	+
OTHER	29.5	28.9	20.5	17.3	11.6	9.5	10.9	13.7	23.5	11.6	10.6	9.6	8.6	16.0
TOTAL EXPORTS[g]	**30.6**	**30.8**	**23.0**	**19.2**	**13.9**	**11.5**	**11.6**	**14.0**	**23.8**	**11.8**	**10.8**	**18.9**	**15.1**	**16.0**
NET IMPORTS	**32.4**	**30.5**	**30.3**	**29.4**	**52.8**	**74.4**	**80.6**	**66.6**	**61.3**	**81.3**	**89.3**	**113.0**	**174.3**	**232.8**
TOTAL DISAPPEARANCE	**303.7**	**233.9**	**166.4**	**177.0**	**216.5**	**229.1**	**242.0**	**220.5**	**209.5**	**247.8**	**230.4**	**286.9**	**350.6**	**377.0**
SUPPLY & DEMAND IN CARPETS & RUGS														
CARPET WOOL CONSUPTION	79.2	43.1	19.4	16.6	15.5	12.8	13.2	10.9	10.4	10.7	10.3	10.7	9.9	11.7
IMPORTS OF CARPETS	12.3	13.6	12.5	11.4	14.1	14.8	13.9	13.9	16.9	18.1	19.6	34.8	51.1	59.2
EXPORTS OF CARPETS	1.1	1.9	2.5	1.9	2.3	2.0	0.7	0.3	0.3	0.2	0.2	9.3	6.5	+
TOTAL	**90.4**	**54.8**	**29.4**	**26.1**	**27.3**	**25.6**	**26.4**	**24.5**	**27.0**	**28.6**	**29.7**	**36.2**	**54.5**	**70.9**
% IMPORTS OF TOTAL	***13 1/2***	***25 1/2***	***42 1/2***	***43 1/2***	***51 1/2***	***58***	***52 1/2***	***56 1/2***	***62 1/2***	***63 1/2***	***66***	***96***	***94***	***83 1/2***
SUPPLY & DEMAND IN ALL OTHER PRODUCTS														
OTHER WOOL CONSUMPTION	192.1	160.3	116.7	131.0	148.2	141.9	148.2	143.0	137.8	155.4	130.4	144.6	153.4	131.9
IMPORTS	50.7	47.7	40.8	37.2	52.6	71.1	78.3	66.7	68.2	75.0	80.5	97.1	138.3	190.2
EXPORTS	29.5	28.9	20.5	17.3	11.6	9.5	10.9	13.7	23.5	11.6	10.6	9.6	8.6	16.0
TOTAL	**213.3**	**179.1**	**137.0**	**150.9**	**189.2**	**203.5**	**215.6**	**196.0**	**182.5**	**218.8**	**200.3**	**232.1**	**283.1**	**306.1**
% IMPORTS OF TOTAL	***24***	***26 1/2***	***30***	***24 1/2***	***28***	***35***	***36 1/2***	***34***	***37 1/2***	***34 1/2***	***40***	***42***	***49***	***62***

SOURCE: Cotton and Wool Outlook & Situation, U.S. Department of Agriculture.

a. Calendar years.

b. Agrees with ***Organon's*** Selected U.S. Monthly Textile Fiber Data Table.

c. Raw wool consumed on the cotton spinning system.

d. Includes advanced wool.

e. Includes pile fabrics & manufactures, blankets, tapestry & upholstery, press & billiard cloths, car robes, etc.

f. Includes knit fabrics in the piece and miscellaneous manufactures not elsewhere specified.

g. November ***Organon*** page 274 or as revised later.

NOVEMBER 1986 CAPACITY SURVEY ANALYSIS

Capacity Utilization Rises

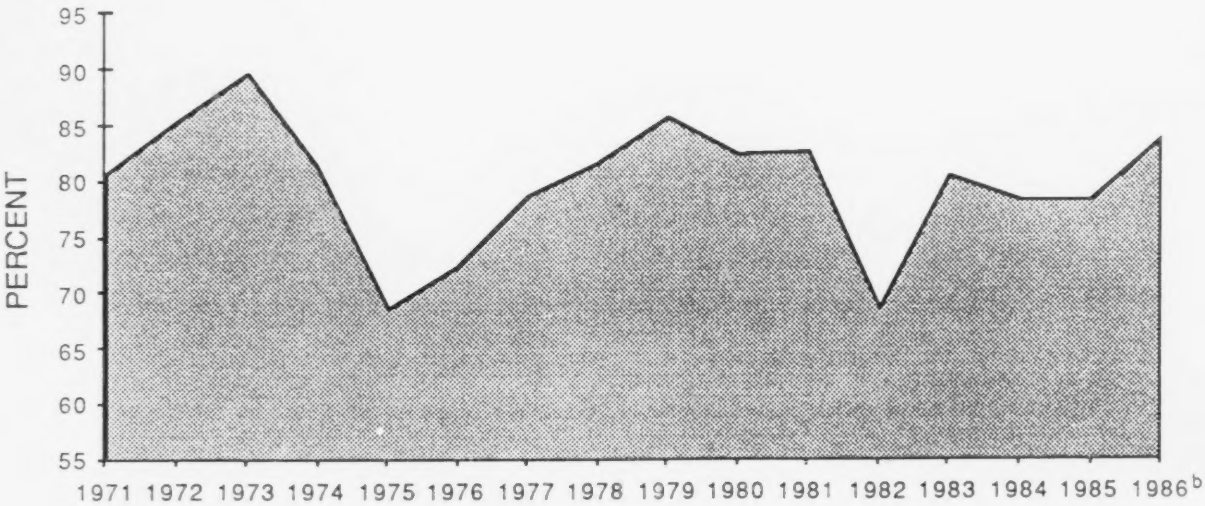
During 1986, capacity utilization rates rose 51/2% from 1985 levels. Based on annualized January - November production data and November 1986 Capacity Survey results, the capacity utilization rate for the U.S. man-made fiber industry stood at 83.9%, as compared to 78.3% in 1985 (Graph 1).

The total industry capacity (excluding textile glass) fell to 9,946 million pounds, a decrease of 4% from the 10,372 million pounds recorded in the November 1985 Survey.

Since November 1985, the filament yarn capacity fell from 4,698 million pounds to 4,575 million pounds with major reductions in nylon and polyester textile yarn and olefin.

Capacity for noncellulosic staple+tow in 1986 dropped by over 4% to 4,662 million pounds, the lowest level since November 1979, when capacity stood at 4,678 million pounds (Table 10).

GRAPH 1:
INDUSTRY CAPACITY UTILIZATION [a]



a. Cellulosic and Noncellulosic fiber excluding textile glass.

b. Utilization based on November 1986 capacity survey and annualized January-November production data.

TABLE 9:
U.S. MAN-MADE FIBER PRODUCTION & PRODUCING CAPACITY

MILLION POUNDS

PERIOD	CELLULOSIC FIBERS							NONCELLULOSIC FIBERS[a]			GRAND TOTAL MAN-MADE FIBERS EXCLUDING TEXTILE GLASS			NON-ADD TEXTILE GLASS TOTAL[d]
	FILAMENT YARN+MONOFIL			STAPLE+TOW										
	RAYON	ACETATE[b]	TOTAL	RAYON	ACETATE[b]	TOTAL	TOTAL	YARN +MONO	STAPLE +TOW	TOTAL	YARN +MONO[c]	STAPLE +TOW	TOTAL	
ACTUAL ANNUAL PRODUCTION														
1970	268	463	731	607	35	642	1373	1793	1793	3586	2524	2435	4959	467
1971	304	449	753	612	26	638	1391	2188	2105	4293	2941	2743	5684	468
1972	252	401	653	713	28	741	1394	2773	2583	5356	3426	3324	6750	572
1973	198	437	635	697	25	722	1357	3339	2970	6309	3974	3692	7666	688
1974	172	362	534	645	20	665	1199	3443	2780	6223	3977	3445	7422	683
1975	65	301	366	371	12	383	749	3209	2677	5886	3575	3060	6635	546
1976	68	287	355	475	11	486	841	3306	3320	6626	3661	3806	7467	676
1977	71	282	353	527	8	535	888	3674	3654	7328	4027	4189	8216	787
1978	62	301	363	535	7	542	905	3830	3953	7783	4193	4495	8688	923
1979	57	317	374	549	7	556	930	4155	4282	8437	4529	4838	9367	1014
1980	47	309	356	443	7	450	806	3744	4148	7892	4100	4598	8698	867
1981	48	257	305	461	4	465	770	3815	4191	8006	4120	4656	8776	1041
1982	33	195	228	355	1	356	584	3057	3403	6460	3285	3759	7044	899
1983	36	228	264	375	1	376	640	3568	3970	7538	3832	4346	8178	1169
1984	41	198	239	389	+	389	628	3525	3947	7472	3764	4336	8100	1394
1985			205 g			353 g	558	3790	3773	7563	3995	4126	8121	NA
ACTUAL & PROJECTED CAPACITY, ANNUAL RATE, AS OF-														
NOV 1970 e	360	494	854	819	40	859	1713	2440	2422	4862	3294	3281	6575	657
NOV 1971 e	337	490	827	757	30	787	1614	2796	2620	5416	3623	3407	7030	696
NOV 1972 e	235	486	721	761	30	791	1512	3362	3034	6396	4083	3825	7908	721
NOV 1973 e	224	473	697	768	28	796	1493	3738	3302	7040	4435	4098	8533	739
NOV 1974 e	172	449	621	724	28	752	1373	4175	3584	7759	4796	4336	9132	821
NOV 1975 e	100	384	484	737	18	755	1239	4640	3796	8436	5124	4551	9675	909
NOV 1976 e	85	399	484	691	18	709	1193	4878	4254	9132	5362	4963	10325	893
NOV 1977 e	85	315	400	655	8	663	1063	4974	4394	9368	5374	5057	10431	1002
NOV 1978 e	83	330	413	665	8	673	1086	5000	4571	9571	5413	5244	10657	1118
NOV 1979 e	75	355	430	671	8	679	1109	5126	4678	9804	5556	5357	10913	1305
NOV 1980 e	63	324	387	514	8	522	909	4933	4714	9647	5320	5236	10556	1473
NOV 1981 e	52	332	384	509	5	514	898	4766	4950	9716	5150	5464	10614	1561
NOV 1982 e	63	318	381	510	4	514	895	4583	4781	9364	4964	5295	10259	1718
NOV 1983 e	63	268	331	510	4	514	845	4477	4827	9304	4808	5341	10149	1618
NOV 1984 e	63	268	331	510	4	514	845	4509	4981	9490	4840	5495	10335	1743
NOV 1985 e			269 g	510	5	515	784	4698	4890	9588	4967	5405	10372	1769
NOV 1986 e			244 g			465 g	709	4575	4662	9237	4819	5127	9946	1763
MAY 1987 f			244 g			465 g	709	4638	4775	9413	4882	5240	10122	1738
NOV 1987 f			244 g			465 g	709	4734	4819	9553	4978	5284	10262	1750
MAY 1988 f			244 g			465 g	709	4751	4775	9526	4995	5240	10235	1800
NOV 1988 f			244 g			465 g	709	4751	4786	9537	4995	5251	10246	1809

NA No longer available.

a. Included are those listed in the November ***Organon*** issue, with the exception of Aramid fiber as of November 1983. Yarn+mono includes olefin film fiber and spunbonded polypropylene. Staple+tow includes fiberfill.

b. Data include diacetate and triacetate. The acetate staple+tow data do not include the large poundages for cigarette filtration.

c. Grand Total Yarn means the yarn+mono shown, excluding textile glass fiber

d. Textile Glass fiber, all types

e. Actual producing capacity as of the date shown

f. Future producing capacity planned for certain dates as of MAY 1987

g. Detail withheld due to disclosure.

SURVEY COVERAGE & DEFINITIONS

The survey figures shown in Table 10 on page 287 cover the man-made fibers in all their primary forms; i.e., filament yarn, monofilaments, polypropylene spunbonded and film fiber are tabulated as filament yarn, while staple, tow and fiberfill are tabulated as staple. The glass fiber data cover all primary forms of that fiber (yarn and strand, staple yarn and sliver, roving and cake, chopped and milled fiber and mat) although only an aggregate figure is published to avoid disclosure of individual company data. **The glass fiber data are no longer included with the filament yarn totals. The data was published last in the December 1984 issue.** The "capacity" to produce waste is ***not*** included in this survey.

Capacity is based on the current and projected "mix" of deniers, filament counts, packages, etc. It is ***emphasized*** that all figures refer to ***current*** and ***planned*** capacity. ***They are not to be interpreted as a production forecast.***

Under the survey definitions, all productive equipment which is currently, or is planned to be, in operable condition is counted as capacity, regardless of whether it is actually producing fiber at the time the capacity measurement is taken. On the other hand, equipment which is definitely scheduled for scrapping, or which has been scrapped since the last survey, is excluded from the capacity tabulation. Put another way, the capacity data reflect ***potential,*** rather than ***operating,*** capacity.

TABLE 10:
NONCELLULOSIC FIBER CAPACITY DETAIL
MILLION POUNDS & Average Denier

PERIOD	FILAMENT YARN, MONOFIL & OLEFIN FILM FIBER												STAPLE, TOW & FIBERFILL					NON-CELLULOSIC TOTAL
	NYLON+ARAMID				POLYESTER			OLEFIN[a]										
	IND	CARP	TEXTILE LBS	TEXTILE DEN	IND	TEXTILE LBS	TEXTILE DEN	YARN	MONO b	FILM b	OTHER c	TOTAL	NYLON + ARAMID	ACRYL +MOD-ACRYL	POLY-ESTER	OLEFIN + VINYON f	TOTAL	
NOV 1970 d	480	428	569	*NA*	294	316	*NA*	110	119	106	18	2440	280	659	1370	113	2422	4862
NOV 1971 d	463	531	522	*NA*	337	559	*NA*	89	163	113	19	2796	460	698	1355	107	2620	5416
NOV 1972 d	469	626	559	*NA*	364	892	*NA*	96	177	159	20	3362	602	754	1571	107	3034	6396
NOV 1973 d	466	707	534	*NA*	385	1118	*NA*	106	214	190	18	3738	701	787	1709	105	3302	7040
NOV 1974 d	483	770	552	*NA*	403	1351	*NA*	125	254	221	16	4175	757	824	1899	104	3584	7759
NOV 1975 d	503	786	553	*NA*	391	1576	*NA*	168	313	334	16	4640	827	827	2021	121	3796	8436
NOV 1976 d	519	787	552	*54*	442	1701	*133*	178	312	371	16	4878	910	869	2355	120	4254	9132
NOV 1977 d	523	829	558	*55*	443	1698	*126*	173	336	398	16	4974	939	869	2470	116	4394	9368
NOV 1978 d	510	908	565	*53*	443	1643	*116*	174	347	394	16	5000	1023	865	2554	129	4571	9571
NOV 1979 d	513	950	579	*51*	443	1699	*114*	172	342	408	20	5126	1020	839	2673	146	4678	9804
NOV 1980 d	515	910	551	*52*	400	1637	*113*	120	350	430	20	4933	991	830	2759	134	4714	9647
NOV 1981 d	514	893	553	*49*	316	1481	*114*	178	356	455	20	4766	1010	835	2839	266	4950	9716
NOV 1982 d	474	925	513	*53*	338	1265	*119*	209	369	460	30	4583	978	832	2700	271	4781	9364
NOV 1983 d	440	907	494	*52*	337	1170	*122*	240	375	484	30	4477	1017	826	2704	280	4827	9304
NOV 1984 d	437	926	470	*57*	342	1162	*121*	270	386	486	30	4509	1054	807	2784	336	4981	9490
NOV 1985 d	437	965	466	*53*	374	1097	*126*	304	412	613	30	4698	1067	631	2785	407	4890	9588
NOV 1986 d	435	964	398	*51*	401	1021	*122*	286	407	633	30	4575	1077	637	2491	457	4662	9237
MAY 1987 e	432	993	395	*51*	401	1022	*123*	292	419	654	30	4638	1117	627	2565	466	4775	9413
NOV 1987 e	429	1037	393	*51*	401	1025	*123*	335	430	654	30	4734	1132	632	2565	490	4819	9553
MAY 1988 e	426	1040	391	*51*	411	994	*123*	347	431	681	30	4751	1137	637	2505	496	4775	9526
NOV 1988 e	423	1043	391	*51*	411	994	*123*	347	431	681	30	4751	1142	642	2505	497	4786	9537

Note: As of the November 1983 survey, nylon capacity data no longer include Aramid fiber.

NA means not available.

IND means industrial yarn and monofil, i.e., 500 denier & coarser, with an Instron tenacity of 7 grams per denier or more; **CARP** means bulked continuous filament yarn for carpets; **TEXTILE** means yarn & monofil for other (textile) applications. Low denier industrial yarn is tabulated here also.

a. Includes polyethylene & polypropylene. Not included here are data on spunbonded polyethylene, monofilament bristles, film fiber used for decorative or tying ribbons, etc.

b. Includes the circular and rectangular (ribbon) cross sections plus spunbonded polypropylene. Olefin film fiber includes slit and split or fibrillated fiber.

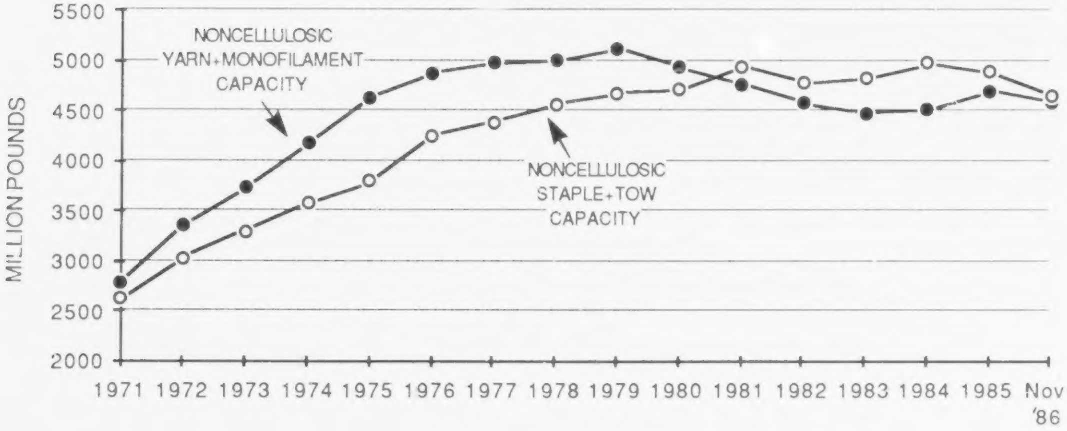
c. Other yarn & monofil is chiefly saran and spandex. Aramid data are included with nylon.

d. Actual producing capacity as of date shown.

e. Future producing capacity planned for certain & dates as of MAY 1987.

f. Data since November 1986 does not include Vinyon.

GRAPH 2:
NONCELLULOSIC YARN+MONOFILAMENT CAPACITY VS.
STAPLE+TOW CAPACITY

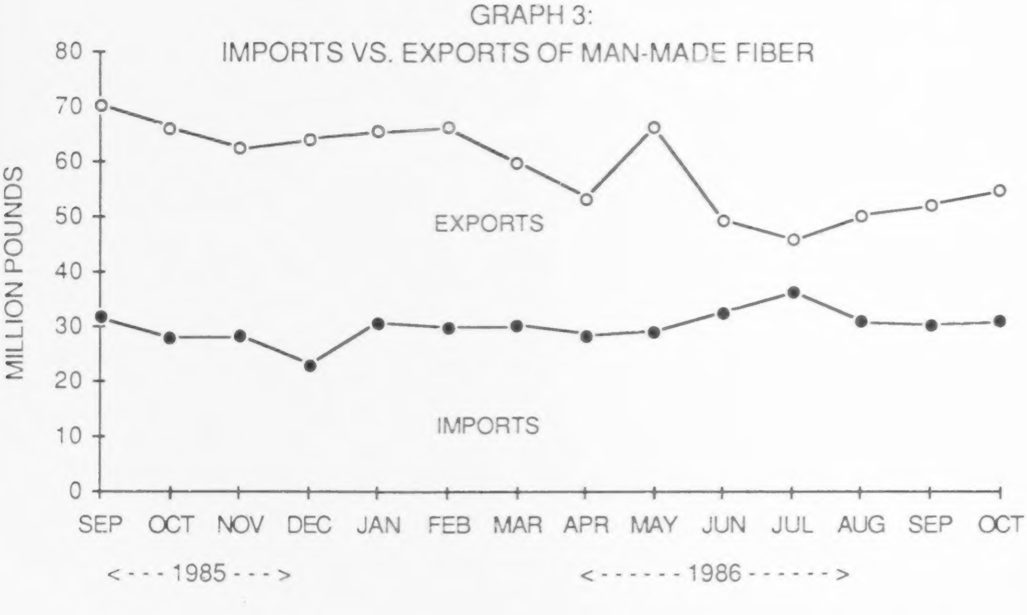


TRADE BAROMETER

RECENT TRADE BALANCE TREND CONTINUES: EXPORTS RISE, IMPORTS FALL

In October, the U.S. man-made fiber balance of trade rose to 23.9 million pounds, up 8.1% from 22.1 million pounds in September.

October fiber exports totaled 54.8 million pounds, up 4.6% from the previous month's exports. Imports fell to 30.3 million pounds, down 1.9% from 30.9 million pounds in September.



GRAPH 3:
IMPORTS VS. EXPORTS OF MAN-MADE FIBER

GRAPH 4:
MAN-MADE FIBER TRADE BALANCE DETAIL

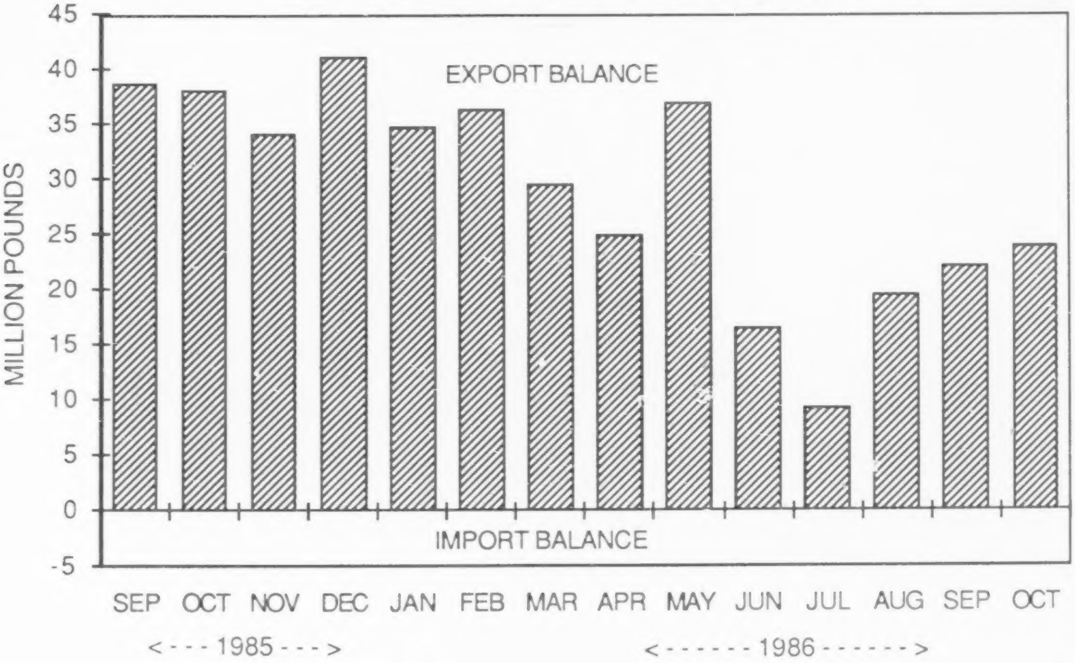


TABLE 11:
MAN-MADE FIBER MONTHLY TRADE BALANCE DETAIL

MILLION POUNDS

	1985				1986									
COMMODITY	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
CELLULOSIC YARN+MONOFILAMENTS	1.1 I	0.8 I	0.1 I	0.3 I	0.9 I	0.8 I	0.7 I	0.9 I	0.1 I	0.7 I	0.7 I	0.8 I	0.4 I	0.6 I
CELLULOSIC STAPLE+TOW	1.1 E	2.4 E	1.7 E	1.0 E	0.8 E	1.5 E	4.0 E	0.4 I	1.4 E	0.4 E	1.5 E	1.6 E	0.2 I	1.6 E
NONCELLULOSIC YARN+MONOFILAMENTS	19.3 E	18.1 E	20.3 E	20.5 E	20.5 E	15.3 E	14.4 E	13.6 E	20.0 E	7.1 E	6.4 E	6.6 E	8.3 E	4.5 E
NONCELLULOSIC STAPLE+TOW	16.3 E	14.1 E	5.5 E	14.6 E	9.1 E	12.1 E	5.6 E	4.0 E	8.6 E	4.0 E	1.2 E	3.6 E	6.5 E	9.8 E
CELLULOSIC WASTE	0.1 E	+	+	+	0.1 E	0.2 E	0.2 E	0.3 E	0.1 E	0.1 E	0.1 E	0.3 E	0.1 E	0.4 E
NONCELLULOSIC WASTE	3.0 E	4.4 E	6.7 E	5.3 E	5.2 E	8.0 E	6.1 E	8.3 E	7.0 E	5.7 E	0.9 E	8.3 E	7.8 E	8.2 E
TOTAL	38.7 E	38.2 E	34.1 E	41.1 E	34.8 E	36.3 E	29.6 E	24.9 E	37.0 E	16.6 E	9.4 E	19.6 E	22.1 E	23.9 E

I means net-import balance
E means net-export balance

TABLE 12:
U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/78	1986												YEAR TO DATE	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1986	1985
CELLULOSIC FIBERS															
YARN - SINGLES															
TEXTURED	310.0106 & .0206	28	30	29	0	123	31	155	44	41	1			482	176
OTHER	310.0130 & .0230 [a]	1309	1180	1318	1488	628	1160	1037	1188	1091	1338			11737	10566
MONOFILAMENTS	309.0310 & .0610	0	5	6	0	4	0	0	0	0	5			20	19
STRIPS, $1/LB & UNDER	309.2000*	38	87	89	126	129	117	41	7	83	0			717	623
SUBTOTAL ABOVE		**1375**	**1302**	**1442**	**1614**	**884**	**1308**	**1233**	**1239**	**1215**	**1344**			**12956**	**11384**
STAPLE	309.4320 & .4325	1465	1056	1396	1298	1121	1183	1524	1471	1654	1627			13795	9458
GROUPED FILAMENTS	309.3010 & .3310	140	39	130	86	77	155	174	1	89	25			916	971
SUBTOTAL ABOVE		**1605**	**1095**	**1526**	**1384**	**1198**	**1338**	**1698**	**1472**	**1743**	**1652**			**14711**	**10429**
WASTE, ADVANCED&NOT ADVANCED	**309.6615 & .7510**	**+**	**0**	**+**	**33**	**+**	**43**	**0**	**0**	**6**	**39**			**121**	**332**
NONCELLULOSIC FIBERS															
YARN - SINGLES															
TEXTURED - NYLON															
LESS THAN 450	310.0107 & .0207	150	195	203	139	548	252	213	296	258	156			2410	28870
MORE THAN 450	310.0108 & .0208	1809	1217	1092	918	2313	5096	4606	3308	3302	3994			27655	
- POLYESTER	310.0110 & .0210	748	1376	1165	1209	1039	380	1210	788	1148	1200			10263	14307
- OTHER	310.0114 & .0214	1640	2607	1276	1088	1059	1829	1997	1193	945	1948			15582	11262
OTHER - NYLON	310.0149 & .0249	1236	1498	1935	1321	1650	1752	2274	2395	2251	1822			18134	16252
- POLYESTER	310.0150 & .0250	1898	1331	2390	1911	2512	2269	1885	2572	910	1516			19194	13962
- OTHER	310.0170 & .0270 [b]	483	225	438	400	403	409	395	365	397	514			4029	1576
MONOFILAMENTS	309.0200 & .0330 [c]	275	256	267	218	196	202	206	145	146	222			2133	1817
STRIPS, OVER $1/LB	309.2100 & .2500*	108	127	62	164	142	117	221	120	81	171			1313	1032
SUBTOTAL ABOVE		**8347**	**8832**	**8828**	**7368**	**9862**	**12306**	**13007**	**11182**	**9438**	**11543**			**100713**	**89078**
STAPLE - NYLON	309.4330 & .4350	3716	4331	3835	4107	3294	3188	5098	4420	5346	4260			41595	32791
- POLYESTER	309.4335 & .4360	2725	3058	3474	2831	2760	3278	3206	3099	2359	3320			30110	22476
- ACRYLIC	309.4365	1473	822	887	1202	1542	1262	2407	1416	1511	1513			14035	14067
- OLEFIN	309.4370	623	222	149	28	107	194	205	86	88	0			1702	4994
- OTHER	309.4340 & .4380	2666	1949	1613	1881	1478	820	1137	711	222	618			13095	20691
GROUPED FILAMENTS															
NYLON	309.3030 & .3200	3381	3504	3164	3153	3258	3555	3174	3266	3667	2698			32820	24630
POLYESTER	309.3040 & .3340	147	150	204	84	197	108	223	165	122	259			1659	4222
ACRYLIC	309.3050 & .3350	972	670	1616	1048	1138	1393	1023	1359	1132	951			11302	6458
OTHER	309.3065 & .3365	341	203	141	285	364	380	102	154	123	180			2273	2020
SUBTOTAL ABOVE		**16044**	**14909**	**15083**	**14619**	**14138**	**14178**	**16575**	**14676**	**14570**	**13799**			**148591**	**132349**
WASTE, NOT ADVANCED															
- NYLON	309.6625	1605	2239	2315	1439	1492	2304	2034	1274	1946	1439			18087	24981
- POLYESTER	309.6630	560	403	465	827	511	434	733	402	408	382			5125	6087
- ACRYLIC	309.6645	0	0	6	0	19	0	188	36	40	0			289	263
- OTHER	309.6660	892	813	256	748	922	692	738	489	835	667			7052	1694
NOILS & GARNETTED FIBERS	309.6000 & .7000*	+	59	0	0	62	0	0	0	0	0			121	124
OTHER WASTE, ADVANCED	309.7525 - .7555	324	357	372	456	253	246	261	128	85	39			2521	3174
SUBTOTAL ABOVE		**3381**	**3871**	**3414**	**3470**	**3259**	**3676**	**3954**	**2329**	**3314**	**2527**			**33195**	**36323**
TOTAL MAN-MADE ABOVE		30752	30009	30293	28488	29341	32849	36467	30898	30286	30904			310287	279895
OTHER MAN-MADE FIBER TOPS, YARN & THREAD															
YARN - PLIED															
TEXTURED - CELLULOSIC	310.1506	0	0	+	0	+	+	0	1	+	+			1	1
- NONCELLULOSIC	310.1015 [d] & .1205 [e]	1743	1666	1034	1666	1137	770	519	372	310	473			9690	7996
OTHER - CELLULOSIC	310.1030 & .1535 [f]	83	108	41	13	20	49	56	12	7	15			404	386
- NONCELLULOSIC	310.1050 & .1070 [g]	496	261	113	248	321	722	385	505	268	354			3673	3860
SPUN YARN - CELLULOSIC	310.4005 & .4030 [h]	227	105	155	182	232	282	361	221	343	90			2198	1426
- OTHER	310.4015 & .4027 [i]	2619	3160	3542	3597	3591	4132	5686	4284	3364	2678			36653	29710
OTHER YARNS - NES, INCL. CHENILLE	310.6029 - .8000	225	385	830	1278	1957	1713	2388	2165	1356	1431			13728	7441
HANDWORK YARNS & SEWING THREAD	310.9000 - .9140 [j]	284	491	478	387	411	495	369	369	406	341			4031	7294
SLIVER, TOPS & ROVING	309.9000	282	239	493	226	240	271	255	306	327	207			2846	1761
TEXTILE GLASS FIBER	309.2800 & .2900 [k]	2142	3090	2643	2221	1883	1891	2025	1328	1014	1572			19809	27238
GRAND TOTAL ABOVE		38853	39514	39622	38306	39133	43174	48511	40461	37681	38065			403320	367008

SOURCE: U.S. Census Bureau Report IM145X.

NES - Not elsewhere specified

+ Means a nominal poundage.

* These items are not reported by the Census as cellulosic vs. noncellulosic. Any separation between cellulosic and noncellulosic is estimated, based mainly on average declared value.

a. Also includes 310.0510 & .0610.

b. Also includes 310.0530, .0550, .0630 & .0650.

c. Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.

d. There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

e. Also includes 310.1210, .1510 & .1514.

f. Also includes 310.2110.

g. Also includes 310.1550, .1555, .1570, .2030, .2050, .2130, .2150.

h. Also includes 310.5030.

i. Also includes 310.4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051.

j. Also includes 310.9300 & .9500.

k. Chiefly roving. Also includes 309.9800 & .9900.

TABLE 13:
U.S. EXPORTS OF MAN-MADE FIBERS
THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/78	1986												YEAR TO DATE	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1986	1985
CELLULOSIC FIBERS															
FILAMENT YARN[a]															
TEXTURED	310.0006	0	3	5	22	3	4	30	+	18	+			85	69
OTHER[b]	310.0026	483	499	712	729	742	573	532	435	632	697			6034	7197
MONOFILAMENTS	309.0110	18	3	22	8	1	0	12	0	156	2			222	79
STRIPS	309.2210	0	0	1	1	12	0	0	0	0	0			14	37
SUBTOTAL ABOVE		**501**	**505**	**740**	**760**	**758**	**577**	**574**	**435**	**806**	**699**			**6355**	**7382**
STAPLE+TOW-RAYON	309.4222	2262	2482	5331	790	2402	1665	3084	2893	1446	3135			25490	31764
STAPLE-ACETATE	309.4219	175	102	162	223	208	64	77	141	135	131			1418	1392
SUBTOTAL ABOVE		**2437**	**2584**	**5493**	**1013**	**2610**	**1729**	**3161**	**3034**	**1581**	**3266**			**26908**	**33156**
WASTE, ADVANCED&NOT ADVANCED	309.7400	**68**	**233**	**157**	**303**	**126**	**171**	**95**	**309**	**69**	**405**			**1936**	**1068**
NONCELLULOSIC FIBERS															
YARN - SINGLES															
NYLON - TEXTURED	310.0008 & .0009	1373	2025	2135	1843	2066	2230	2097	2397	2245	1952			20363	23287
- HIGH TENACITY[c]	310.0027	5757	6837	5805	5895	5786	5273	7012	6434	6489	6493			61781	58357
- OTHER	310.0029	638	1276	1238	867	425	849	731	753	1212	761			8750	7826
POLYESTER - TEXTURED	310.0010	7485	8451	9794	5928	15265	4250	4940	2921	2756	2366			64156	109046
- HIGH TENACITY[c]	310.0032	1952	1435	1252	2765	2717	2942	1361	1355	1262	1337			18378	27924
- OTHER[d]	310.0034	735	128	90	189	151	341	60	203	202	134			2233	7757
OTHER - TEXTURED	310.0014	8990	916	1023	1116	906	1433	1067	1586	1281	1097			19415	7608
- OLEFIN	310.0040	67	951	84	119	87	45	25	72	61	48			1559	428
- OTHER	310.0044	212	600	479	524	742	400	697	394	709	455			5212	6682
MONOFILAMENTS, ALL DENIERS															
NYLON	309.0120	376	287	312	533	437	561	332	258	479	310			3885	2072
POLYESTER[e]	309.0140	663	503	340	535	589	432	405	453	464	595			4979	4993
OTHER	309.0170	283	450	537	418	373	292	249	436	335	355			3728	9839
STRIPS	309.2220 & .2270	320	283	194	211	362	379	479	499	243	187			3157	3736
SUBTOTAL ABOVE		**28851**	**24142**	**23283**	**20943**	**29906**	**19427**	**19455**	**17761**	**17738**	**16090**			**217596**	**269555**
STAPLE - NYLON	309.4240	1111	1230	1074	1054	1348	1272	858	801	1383	1575			11706	9463
- POLYESTER	309.4242	8164	8395	6714	6651	9885	8676	9271	7998	7994	10846			84594	162463
- ACRYLIC	309.4245	8607	7909	4248	4524	5220	3756	2981	4175	4515	4093			50028	129091
- OLEFIN	309.4246	1844	1327	1269	1105	437	623	1018	1039	1242	2264			12168	6035
- OTHER	309.4247	1124	2228	1796	1208	1324	1154	1351	813	1391	1622			14011	9271
GROUPED FILAMENTS															
NYLON	309.3220	238	350	176	336	1987	226	204	356	291	206			4370	1586
POLYESTER[d]	309.3240	1997	2797	1950	1832	280	1339	1281	1135	2840	1552			17003	25761
ACRYLIC	309.3250 & .3255	2090	2775	3435	1893	2280	1117	815	1925	1467	1487			19284	25712
SUBTOTAL ABOVE		**25175**	**27011**	**20662**	**18603**	**22761**	**18163**	**17779**	**18242**	**21123**	**23645**			**213164**	**369382**
WASTE, ADVANCED&NOT ADVANCED															
- NYLON	309.7620	299	806	408	628	785	387	525	1036	1265	999			7138	4455
- POLYESTER	309.7630	3848	5678	4934	7109	5390	4966	2224	5372	6118	3961			49600	35122
- ACRYLIC	309.7640	569	624	1080	228	399	824	322	363	118	662			5189	4158
- OTHER	309.7660	3831	4801	3139	3779	3701	3241	1752	3903	3598	5063			36808	13398
SUBTOTAL ABOVE		**8547**	**11909**	**9561**	**11744**	**10275**	**9418**	**4823**	**10674**	**11099**	**10685**			**98735**	**57133**
TOTAL MAN-MADE ABOVE		**65579**	**66384**	**59896**	**53366**	**66436**	**49485**	**45887**	**50455**	**52416**	**54790**			**564694**	**737676**
TEXTILE GLASS FIBER	309.2700 & .9700	4355	4551	5042	4580	5008	4536	5148	5639	5973	5774			50606	48065
GRAND TOTAL ABOVE		**69934**	**70935**	**64938**	**57946**	**71444**	**54021**	**51035**	**56094**	**58389**	**60564**			**615300**	**785741**

SOURCE: U.S. Census Bureau Report EM522

a. Includes thrown, singles and plied yarn.

b. Includes an undetermined amount of rayon tire cord and cord fabric.

c. Includes an undetermined amount of noncellulosic tire cord and cord fabric.

d. Includes zero twist yarns.

e. These data are obviously incorrect because of misclassification. Most of these poundages should be included with filament yarn.

TABLE 14:
SELECTED U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION BY COUNTRY OF ORIGIN

THOUSAND POUNDS

ITEMS & COUNTRY	1986												YEAR TO DATE	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1986	1985
CELLULOSIC YARN, MONOFIL & STRIPS														
BRAZIL	82	56	0	53	0	0	0	0	58	0			249	533
CANADA	200	420	226	302	698	431	465	443	516	408			4109	2056
GERMANY, FED. REP. OF	482	284	783	594	22	494	489	402	280	474			4304	4712
JAPAN	95	41	50	25	35	26	32	0	0	17			321	534
MEXICO	81	114	0	62	0	0	63	40	109	118			587	1095
NETHERLANDS	195	181	167	233	34	179	124	268	175	325			1881	1186
REP. OF KOREA	80	60	80	80	0	60	20	20	0	0			400	541
ALL OTHER COUNTRIES [a]	160	146	136	265	95	118	40	66	77	2			1105	727
TOTAL CELLULOSIC YARN	**1375**	**1302**	**1442**	**1614**	**884**	**1308**	**1233**	**1239**	**1215**	**1344**			**12956**	**11384**
CELLULOSIC STAPLE+TOW														
AUSTRIA	259	0	217	126	138	150	102	49	0	0			1041	540
CANADA	777	981	724	948	764	620	1221	1333	1536	1398			10302	5695
JAPAN	143	75	128	108	108	89	63	45	75	113			947	573
MEXICO	310	0	109	123	41	142	82	0	0	0			807	259
UNITED KINGDOM	105	39	80	69	42	40	114	4	132	+			625	1164
ALL OTHER COUNTRIES [b]	11	0	268	10	105	297	116	41	0	141			989	2198
TOTAL CELLULOSIC STAPLE+TOW	**1605**	**1095**	**1526**	**1384**	**1198**	**1338**	**1698**	**1472**	**1743**	**1652**			**14711**	**10429**
NONCELLULOSIC YARN, MONOFIL & STRIPS														
AUSTRALIA	0	16	31	2	8	18	7	17	11	138			248	1089
AUSTRIA	113	7	115	4	150	47	135	48	+	76			695	731
BELGIUM	1152	1901	531	297	449	1550	1024	1087	753	1798			10542	5963
BRAZIL	*	56	0	0	6	0	0	0	0	0			63	233
CANADA	1282	338	857	1384	1239	1598	1793	1388	1551	1690			13120	13264
COSTA RICA	480	430	349	608	736	647	468	751	393	640			5502	298
FRANCE	405	689	679	249	493	456	889	787	1187	612			6446	4107
GERMANY, FED. REP. OF	1195	1199	1397	774	1915	4022	2735	1900	1149	1286			17572	14837
ISRAEL	413	277	316	226	179	239	487	264	197	56			2654	2114
ITALY	790	529	1158	895	1083	1331	1598	880	950	1384			10598	11684
JAPAN	646	553	1019	693	895	758	807	719	151	503			6744	5813
MEXICO	128	917	1223	931	928	431	1366	1794	1394	1712			10824	6840
NETHERLANDS	74	213	29	6	255	249	47	165	68	129			1235	661
SOUTH AFRICA	853	866	532	631	565	143	322	186	229	386			4713	9938
SWITZERLAND	74	74	1	2	224	59	1	2	1	4			442	1725
TAIWAN	36	39	47	144	111	32	205	131	74	13			832	280
UNITED KINGDOM	573	510	352	307	454	581	754	866	868	747			6012	5465
YUGOSLAVIA	85	0	0	0	0	0	0	0	0	0			85	2787
ALL OTHER COUNTRIES [c]	47	218	192	215	172	145	369	197	462	369			2386	1249
TOTAL NONCELLULOSIC YARN	**8347**	**8832**	**8828**	**7368**	**9862**	**12306**	**13007**	**11182**	**9438**	**11543**			**100713**	**89078**
NONCELLULOSIC STAPLE+TOW														
BELGIUM	25	18	57	39	85	41	18	21	75	46			425	478
BRAZIL	35	60	22	0	0	161	179	86	65	0			608	3249
CANADA	2650	1831	1430	1882	1977	1812	1464	1651	2073	2490			19260	21725
COSTA RICA	31	44	0	0	0	0	0	0	0	0			75	2388
FRANCE	996	984	984	761	888	782	819	699	954	564			8431	7944
GERMANY, FED. REP. OF	3105	2727	2552	2994	3005	2524	2194	2490	1780	1806			25177	23860
ISRAEL	42	81	48	80	28	44	25	0	13	88			449	958
ITALY	1237	1748	1504	1525	721	1345	2619	2572	2622	2422			18315	13496
JAPAN	1919	1523	2265	1431	1515	2286	2381	2092	1578	1687			18677	19315
MEXICO	1025	1105	1011	1249	1599	832	1973	1458	1119	1496			12867	6669
NETHERLANDS	20	0	+	43	0	0	29	101	0	0			193	364
REP. OF KOREA	492	355	551	88	343	650	431	490	287	327			4014	3747
ROMANIA	210	88	158	0	438	0	456	119	294	86			1849	876
SOUTH AFRICA	80	88	0	25	53	53	49	0	98	19			465	476
SWITZERLAND	137	0	23	48	88	96	84	75	73	20			644	397
TAIWAN	2105	1587	2111	1961	1272	1380	2039	1532	895	1062			15944	14152
UNITED KINGDOM	1819	2340	2151	2271	1800	2008	1659	1105	2343	1273			18769	10939
ALL OTHER COUNTRIES [d]	116	330	216	222	326	164	156	185	301	413			2429	1316
TOTAL NONCELLULOSIC STAPLE+TOW	**16044**	**14909**	**15083**	**14619**	**14138**	**14178**	**16575**	**14676**	**14570**	**13799**			**148591**	**132349**

+ Means a nominal poundage.
Other countries supplying 1986 poundages are:

a. Australia 18, Austria 30, Belgium 243, China, PRC 2, France 48, Ireland 427, Israel 45, Italy 11, Taiwan 62, Thailand 17, United Kingdom 108, Yugoslavia 94.

b. Belgium 3, Finland 39, France 11, Germany, Federal Rep. of 96, Hong Kong 6, Israel +, Italy 344, Sweden 445, Taiwan 45.

c. Argentina 69, Chile 88, China, PRC 60, Colombia 255, Denmark 183, Dominican Rep. +, Egypt +, Greece 2, Hong Kong +, Hungary 48, India +, Iran 1, Ireland 446, Korea, Rep. of 248, Norway 2, Philippines +, Romania 555, Singapore 115, Somalia 95, Spain 1, Sweden 167, Turkey 51.

d. Australia 797, Austria 334, China, PRC 117, Denmark 122, Finland 18, Greece 12, Haiti, 14, Hong Kong, 32, Ireland 218, Kenya 31, Malaysia 96, Philippines 1, Spain 27, Sweden 148, Thailand 138, Turkey 84, Yugoslavia 240.

TABLE 15:
SELECTED U.S. MONTHLY TEXTILE FIBER DATA

MILLION POUNDS

	1986												YEAR TO DATE[a]	
ITEM	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1986	1985
	TOTAL SHIPMENTS[b]													
MAN-MADE FIBER DATA[c]														
YARN+MONOFILAMENTS[d]														
CELLULOSIC YARN	**17.8**	**17.2**	**18.3**	**19.4**	**18.9**	**17.2**	**17.7**	**17.3**	**17.6**	**17.5**	**15.2**		**194.1**	**191.3**
NYLON[e] - INDUSTRIAL[f]	26.3	29.5	28.8	29.1	27.6	26.7	23.3	27.3	25.7	31.1	27.1		302.5	314.0
- CARPET	69.6	71.1	71.1	75.7	71.2	74.8	76.8	78.6	83.9	77.6	73.2		823.6	752.9
- TEXTILE	30.9	31.1	31.7	32.1	30.6	29.1	29.0	28.0	30.2	30.0	29.3		332.0	324.7
POLYESTER - INDUSTRIAL[f]	28.2	25.6	27.9	26.7	24.4	24.6	24.6	24.7	25.5	27.8	25.2		285.2	267.6
- TEXTILE[i]	77.1	78.0	69.8	68.3	72.0	60.7	68.5	71.5	72.3	74.1	70.5		783.4	941.3
OLEFIN	75.1	84.2	84.4	83.9	85.0	92.4	76.9	88.9	94.6	89.7	85.5		940.6	867.2
TOTAL NONCELLULOSIC ABOVE[h]	**307.2**	**319.5**	**313.7**	**315.8**	**311.4**	**308.3**	**299.1**	**319.0**	**332.2**	**330.3**	**310.8**		**3467.3**	**3467.7**
STAPLE +TOW+FIBERFILL[i]														
RAYON	**34.9**	**30.0**	**33.0**	**32.7**	**34.9**	**31.3**	**34.2**	**34.9**	**33.3**	**35.6**	**33.6**		**368.4**	**328.0**
NYLON[e]	70.7	64.1	64.3	67.1	71.9	67.1	79.3	86.6	91.4	91.4	77.6		831.5	761.6
ACRYLIC+MODACRYLIC	50.2	47.8	52.2	55.7	55.4	51.8	50.0	50.7	55.8	53.7	44.6		567.9	598.9
POLYESTER	179.9	171.2	173.7	180.8	183.9	160.2	166.2	174.0	187.7	188.5	173.5		1939.6	1870.7
OLEFIN+VINYON	24.0	25.4	28.7	28.2	29.3	29.9	27.8	27.3	26.1	28.3	26.3		301.3	266.9
TOTAL NONCELLULOSIC ABOVE	**324.8**	**308.5**	**318.9**	**331.8**	**340.5**	**309.0**	**323.3**	**338.6**	**361.0**	**361.9**	**322.0**		**3640.3**	**3498.1**
	END-OF-MONTH STOCK													
YARN+MONOFILAMENTS														
CELLULOSIC YARN	**13.3**	**12.2**	**13.3**	**12.1**	**12.2**	**12.5**	**13.3**	**13.3**	**14.0**	**14.7**	**14.8**		**14.8**	**13.4**
NYLON[e] - INDUSTRIAL[f]	23.8	25.6	24.1	26.1	27.2	25.4	30.3	33.6	30.5	30.4	29.2		29.2	27.2
- CARPET	55.4	51.8	56.2	52.5	59.0	56.8	55.4	51.0	46.4	42.2	42.0		42.0	45.5
- TEXTILE[i]	49.0	46.1	46.2	44.7	45.8	43.9	44.6	44.9	44.7	45.6	44.2		44.2	43.0
POLYESTER - INDUSTRIAL[f]	25.1	26.1	26.9	27.2	28.9	31.5	32.0	32.9	34.5	29.8	29.2		29.2	21.4
- TEXTILE	84.7	90.3	96.6	96.5	91.9	86.2	82.8	83.9	80.7	82.6	83.8		83.8	84.1
OLEFIN[g]	66.7	69.4	67.1	69.5	66.4	61.5	64.7	63.4	60.6	60.3	61.2		61.2	62.3
TOTAL NONCELLULOSIC ABOVE[h]	**304.7**	**309.3**	**317.1**	**316.5**	**319.2**	**305.3**	**309.8**	**309.7**	**297.4**	**290.9**	**289.6**		**289.6**	**283.5**
STAPLE+TOW+FIBERFILL														
RAYON	**20.7**	**21.1**	**19.7**	**20.1**	**18.4**	**20.5**	**20.5**	**19.5**	**21.5**	**23.0**	**22.8**		**22.8**	**21.5**
NYLON[e]	63.0	70.4	84.1	89.1	88.0	85.4	78.7	68.4	64.2	62.7	54.9		54.9	68.9
ACRYLIC+MODACRYLIC	66.1	66.3	63.2	56.8	53.4	51.4	54.9	56.9	52.9	52.1	57.3		57.3	53.6
POLYESTER	147.9	147.3	151.0	148.6	150.4	164.8	170.8	162.4	159.0	150.4	148.7		148.7	140.4
OLEFIN+VINYON	33.3	33.7	34.0	31.7	29.7	28.9	30.4	30.6	32.4	29.5	30.8		30.8	26.4
TOTAL NONCELLULOSIC ABOVE	**310.3**	**317.7**	**332.3**	**326.2**	**321.5**	**330.5**	**334.8**	**318.3**	**308.5**	**294.7**	**291.7**		**291.7**	**289.3**
WOOL & COTTON CONSUMPTION														
APPAREL CLASS WOOL	12.6	13.2	13.1	13.2	13.3	14.7	11.5	12.2	13.0				116.8	92.6
CARPET CLASS WOOL	1.0	0.8	0.9	0.8	0.7	0.7	0.7	1.1	1.0				7.7	9.6
TOTAL RAW WOOL	13.6	14.0	14.0	14.0	14.0	15.4	12.2	13.3	14.0				124.5	102.2
RAW COTTON	269.5	263.3	265.0	265.2	265.6	280.0	222.9	282.0	289.0	293.2			2695.7	2336.1

a. Year-to-date totals for stock, which is the latest month's data.

b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

c. Producers' total domestic plus export shipments.

d. Rayon yarn data are available annually only; see page 53 of the March 1986 issue.

e. Data for nylon exclude aramid.

f. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

g. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.

h. Saran and spandex data are not included in these totals. See page 53 of the March 1986 issue for annual data on these yarns.

i. Acetate staple+tow data are available annually only; see page 53 of the March 1986 issue.

j. Low denier industrial Nylon and Polyester is now included with Textile.

TABLE 16:
FILAMENT YARN DOMESTIC SHIPMENTS[a]

MILLION POUNDS

ITEM		ANNUAL DATA				QUARTERLY DATA							
						1985				1986			
		1982	1983	1984	1985	1ST Q	2ND Q	3RD Q	4TH Q	1ST Q	2ND Q	3RD Q	4TH Q
(C) CELLULOSIC YARN [j]		(N) NYLON*				(P) POLYESTER				(O) OLEFIN			
HOSIERY [b]	N	92.3	104.3	101.5	98.1	25.2	25.0	24.8	23.1	26.5	25.3	22.8	
OTHER CIRCULAR KNIT [c]	N	25.7	24.5	17.6	12.9	3.1	3.2	3.0	3.6	4.3	6.0	4.0	
	P	228.4	293.7	174.7	151.2	26.4	37.2	48.0	39.6	38.6	37.4	37.3	
	C	1.6	2.1	2.3	2.6	0.4	0.4	1.1	0.7	0.6	0.6	0.6	
FLAT KNIT	C	71.7	79.1	67.2	53.0	15.5	15.4	11.7	10.4	11.4	13.7	11.7	
	N	130.8	162.2	135.2	143.6	36.0	33.4	35.9	38.3	36.8	33.2	32.5	
	P	87.0	116.6	137.3	160.8	37.1	39.5	38.9	45.2	38.7	38.9	44.5	
CARPET FACE	N	559.5	734.6	770.2	815.4	163.9	207.5	223.6	220.4	207.0	217.8	235.6	
	O	90.0	147.2	154.1	202.1	44.8	51.2	53.9	52.2	49.7	50.5	53.9	
CARPET BACKING [d]	O	184.7	198.8	227.8	354.6	83.8	93.4	91.0	86.4	89.1	98.0	99.4	
OTHER BROAD WOVEN [e]	C	88.8	113.6	108.8	111.3	22.7	26.7	28.9	33.0	31.9	31.9	31.7	
	N	82.2	83.6	90.7	71.4	16.9	16.3	17.7	20.5	20.2	19.7	18.0	
	P	367.0	489.9	392.2	420.1	99.5	112.9	108.9	98.8	87.1	77.5	89.3	
	O	172.5	201.1	190.3	225.7	54.6	60.1	55.6	55.4	61.4	66.7	69.3	
NARROW WOVEN [f]	C	2.9	1.7	0.7	1.5	0.2	0.3	0.4	0.6	0.9	0.2	0.3	
	N	30.2	35.3	39.9	31.1	7.8	7.7	8.3	7.3	8.0	8.6	8.5	
	P	28.1	35.5	38.7	40.0	9.6	9.5	10.2	10.7	11.5	10.7	10.9	
	O	12.1	15.0	14.9	15.2	3.8	4.0	3.9	3.5	4.5	4.5	4.4	
TIRES, INCL. CHAFER [k]	N	147.9	145.5	172.9	146.0	42.7	36.4	32.3	34.6	35.8	33.5	30.5	
	P	168.9	174.1	174.4	155.5	44.5	40.2	34.2	36.6	44.7	37.4	38.6	
OTHER RUBBER INDUSTRY [g k]	N	17.3	16.3	20.9	15.3	4.6	3.7	3.5	3.5	4.2	3.6	4.0	
	P	26.7	27.8	32.7	31.2	7.2	8.2	8.3	7.5	2.9	8.4	8.2	
ROPE, CORDAGE & FISHLINE	N	29.1	31.7	35.0	35.3	8.6	8.6	8.7	9.4	9.6	9.5	8.4	
	P	14.4	12.2	15.7	13.8	3.1	3.7	3.9	3.1	3.4	3.4	2.9	
	O	84.8	95.5	106.9	108.2	28.8	29.8	23.2	26.4	27.0	28.2	23.4	
ALL OTHER [h]	C	4.0	1.1	1.1	18.7	5.6	5.2	4.5	3.4	3.8	4.0	3.4	
	N	50.6	54.4	54.2	48.3	14.9	11.2	11.1	11.1	11.0	11.5	13.4	
	P	214.3	144.6	179.2	231.7	62.7	60.4	56.8	51.8	57.9	39.8	41.1	
	O	32.9	41.0	31.6	31.8	7.8	7.5	6.8	9.7	9.6	10.5	7.4	
TOTAL ABOVE	C	**169.0**	**197.6**	**180.1**	**187.1**	**44.4**	**48.0**	**46.6**	**48.1**	**48.6**	**50.4**	**47.7**	
	N	**1165.6**	**1392.4**	**1438.1**	**1417.4**	**323.7**	**353.0**	**368.9**	**371.8**	**363.4**	**368.7**	**377.7**	
	P	**1134.8**	**1294.4**	**1144.9**	**1204.2**	**290.1**	**311.6**	**309.2**	**293.3**	**284.8**	**253.5**	**272.8**	
	O	**577.0**	**698.6**	**725.6**	**937.6**	**223.6**	**246.0**	**234.4**	**233.6**	**241.3**	**258.4**	**257.8**	
TOTAL DOMESTIC		**3046.4**	**3582.8**	**3488.7**	**3746.3**	**881.8**	**958.6**	**959.1**	**946.8**	**938.1**	**931.0**	**956.0**	
ALSO DIVIDED AS													
APPAREL		*1128.2*	*1257.5*	*1072.1*	*1064.7*	*255.3*	*275.9*	*279.3*	*254.2*	*247.4*	*236.3*	*231.0*	
HOME FURNISHINGS		*1016.6*	*1328.7*	*1354.2*	*1624.9*	*351.0*	*414.7*	*430.1*	*429.1*	*405.5*	*419.7*	*454.8*	
INDUSTRIAL		*901.6*	*996.8*	*1062.4*	*1056.7*	*275.5*	*268.0*	*249.7*	*263.5*	*285.2*	*275.0*	*270.2*	
SHIPMENTS OF FEED & PRODUCER-TEXTURED YARN (NONCARPET) [i]													
NYLON		122.3	127.1	118.7	114.9	28.4	28.7	29.0	28.8	29.7	31.3	28.5	
POLYESTER		737.9	832.4	675.5	776.3	181.0	204.5	206.0	184.8	168.9	144.0	158.1	
OLEFIN		26.8	28.0	23.3	22.3	5.2	5.9	5.2	6.0	5.1	5.8	5.9	

* Includes Aramid in 1982.

a. Filament yarn plus monofilament shipments by primary trade or end use; olefin includes spunbonded polypropylene but does not include spunbonded polyethylene.

b. Small poundages of polyester and cellulosic yarn are included in All Other.

c. Small poundages of olefin are included in All Other.

d. Small poundages of nylon and polyester are included in All Other.

e. Other Broad Woven except carpets, tire fabric, flat belting, etc. The olefin poundages include other home furnishings applications only, i.e., industrial applications are in All Other.

f. Narrow Woven includes apparel ribbons and braids, auto seat belts and/or furniture webbing.

g. Small poundages of olefin are included in All Other.

h. All Other includes sewing thread and other industrial applications. The olefin poundages include sliver knit backing. Also includes indirect exports.

i. These poundages are included in the Total Domestic area above.

j. Data prior to 1985: acetate yarn only. Data for 1985 and 1986: acetate and rayon yarn.

k. Cellulosic yarn poundages included in All Other.

TABLE 17:
STAPLE+TOW DOMESTIC SHIPMENTS

MILLION POUNDS

ITEM		ANNUAL DATA				QUARTERLY DATA							
						1985				1986			
ITEM		1982	1983	1984	1985	1ST Q	2ND Q	3RD Q	4TH Q	1ST Q	2ND Q	3RD Q	4TH Q
(R) RAYON (N) NYLON[*] (A) ACRYLIC+MODACRYLIC (P) POLYESTER (O) OLEFIN													
HOSIERY, SWEATERS & CRAFT YARNS[a]	A	230.5	237.3	204.8	197.2	48.8	48.9	49.0	50.5	57.2	62.1	54.3	
	NPR	8.8	9.5	6.6	5.5	1.7	1.1	1.3	1.4	1.4	1.2	1.4	
PILE FABRICS[b]	A	36.4	33.0	30.0	24.5	6.6	7.1	6.3	4.5	6.0	6.6	6.4	
	P	15.6	18.2	18.4	14.9	3.9	4.1	3.7	3.2	4.1	3.5	3.9	
OTHER CIRCULAR KNIT + FLAT KNIT[c]	R	5.7	3.5	4.3	5.5	0.7	1.3	2.2	1.3	1.1	1.1	1.1	
	A	112.6	129.5	118.5	139.1	27.3	38.3	37.6	35.9	38.7	55.6	57.2	
	P	288.8	354.4	283.0	295.5	67.7	76.7	74.0	77.1	87.9	89.2	89.7	
BLANKETS[b]	A	23.7	27.1	25.2	30.2	6.1	7.4	8.8	7.9	6.6	6.7	7.7	
	P	12.0	10.5	5.5	6.2	0.9	1.9	2.2	1.2	0.8	1.0	1.3	
OTHER BROAD WOVEN	R	146.6	182.1	177.7	174.9	39.0	39.4	44.6	51.9	53.9	53.2	55.1	
	N	56.4	59.0	42.5	37.4	11.4	8.2	8.8	9.0	10.0	9.7	8.6	
	A	25.7	32.5	29.5	38.2	8.8	9.6	9.2	10.6	9.8	8.4	8.3	
	P	889.0	1062.9	1039.1	864.9	214.1	208.3	212.4	230.1	226.8	229.8	218.3	
	O	16.1	19.4	22.1	26.9	6.4	6.9	6.0	7.6	1.0	5.0	4.9	
CARPET FACE YARNS	R	0.1	0.2	0.3	0.5	0.1	0.1	0.1	0.2	0.1	0.2	+	
	N	594.4	815.2	751.0	773.9	176.5	190.0	199.4	208.0	180.1	188.6	240.8	
	A	INCLUDED IN ALL OTHER											
	P	114.7	139.0	131.4	126.8	30.7	33.9	30.3	31.9	31.3	38.4	36.9	
	O	76.8	93.6	96.5	107.4	25.2	30.6	27.7	23.9	25.4	30.4	28.1	
FIBERFILL[d]	P	228.4	275.4	276.1	281.1	72.6	65.0	68.6	74.9	71.6	69.1	74.4	
FLOCK	NP	10.2	10.6	9.2	5.3	1.4	1.2	1.3	1.4	1.6	1.4	1.2	
	R	3.1	3.2	2.7	1.8	0.6	0.4	0.6	0.2	0.6	0.4	0.5	
NONWOVENS[e, f]	R	111.9	119.0	126.3	113.5	27.6	28.9	29.0	28.0	31.7	33.2	32.9	
	N	3.8	4.9	2.8	2.5	0.7	0.7	0.5	0.6	0.5	0.5	0.6	
	P	155.2	177.4	177.2	162.5	44.0	39.2	39.5	39.8	46.5	41.4	42.4	
	VINYON+O	39.0	61.5	119.2	135.8	34.0	32.0	34.7	35.1	42.3	45.2	41.1	
ALL OTHER	R	24.3	23.8	18.8	25.9	5.5	6.1	6.0	8.3	3.7	3.5	5.0	
	N	7.7	5.2	9.4	11.2	2.8	2.6	2.9	2.9	2.9	3.0	3.0	
	A	29.0	32.8	38.7	29.5	7.7	8.4	7.7	5.7	4.8	4.3	4.8	
	P	57.8	55.8	56.2	116.9	21.0	30.4	30.8	34.7	29.3	26.7	28.6	
	VINYON+O	7.0	8.9	3.1	9.6	1.6	2.4	2.4	3.2	5.2	2.0	2.3	
TOTAL ABOVE	**R**	**293.7**	**333.5**	**331.9**	**323.7**	**73.8**	**76.6**	**82.9**	**90.1**	**91.6**	**92.0**	**95.1**	
	N	**673.3**	**897.1**	**814.4**	**830.3**	**192.8**	**202.7**	**212.9**	**221.9**	**195.2**	**203.2**	**254.3**	
	A	**457.9**	**492.2**	**446.7**	**458.7**	**105.3**	**119.7**	**118.6**	[illegible]	**123.1**	**143.7**	**138.7**	
	P	**1767.5**	**2099.2**	**1992.2**	**1872.7**	**456.3**	**460.2**	**462.4**	**493.1**	**499.1**	**499.9**	**496.3**	
	VINYON+O	**138.9**	**183.4**	**240.9**	**279.7**	**67.2**	**71.9**	**70.8**	**69.6**	**73.9**	**82.6**	**76.4**	
TOTAL DOMESTIC		**3331.3**	**4005.4**	**3826.1**	**3765.1**	**895.4**	**931.1**	**947.6**	**991.0**	**982.9**	**1021.4**	**1060.8**	
ALSO DIVIDED AS													
APPAREL		*1321.7*	*1461.3*	*1277.1*	*1255.0*	*289.0*	*316.4*	*314.0*	*335.6*	*363.6*	*390.5*	*372.6*	
HOME FURNISHINGS		*1266.4*	*1630.0*	*1559.0*	*1536.9*	*365.7*	*380.0*	*385.2*	*406.0*	*371.0*	*385.1*	*436.8*	
INDUSTRIAL		*743.2*	*914.1*	*992.1*	*973.2*	*240.7*	*234.7*	*248.4*	*249.4*	*248.3*	*245.8*	*251.4*	

[*] 1982 poundages include Aramid.

[a] Olefin poundages are included in All Other.

[b] Rayon and nylon poundages are included in All Other.

[c] Nylon poundages are included in All Other.

[d] Rayon, acrylic and nylon poundages are included in All Other.

[e] Wet & dry laid and needled batts only.

[f] Acrylic poundages are included in All Other.

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Each issue of the ***Organon*** contains one or more principal topics. The following is a brief outline of the major subjects covered in the 1986 issues. The numbers in parentheses are the pages of each month's issue.

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FEBRUARY	Special Report: "1985 Import/Export Review" (21-40)
MARCH	Special Feature: "1985: A Year in Perspective" (41-64)
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TEXTILE ORGANON

Volume 58, No. 1 ☐ January 1987

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MONTHLY REVIEW

Highlights

Total Shipments of Noncellulosic Yarn+Monofilaments increased by 7.0% in 1986 . . . see page 11.

Total Shipments of Noncellulosic Staple+Tow increased by 2.8% in 1986 . . . see page 11.

Textile Organon Features:

Capacity Utilization Review . . . begins on page 4.

Annual Shipment Summary . . . begins on page 11.

In December, shipments of noncellulosic yarn+monofilaments totaled 332.5 million pounds, a 7.0% increase over November shipments of 310.8 million pounds.

- ***Nylon industrial yarn*** shipments increased by 14.0% to 30.9 million pounds.
- ***Nylon carpet yarn*** shipments fell by 7.0% to 68.1 million pounds.
- ***Olefin yarn, monofilament and film fiber*** shipments increased by 23.9% to 105.9 million pounds.

In December, noncellulosic staple+tow shipments reached 332.7 million pounds, a 2.8% increase over the 323.6 million pounds shipped during last month.

- ***Polyester staple+tow*** shipments rose 5.9% to 183.7 million pounds.
- ***Acrylic staple+tow*** shipments were up 3.6% to 46.2 million pounds.

TABLE 1:
TOTAL MAN-MADE FIBER SHIPMENTS

MILLION POUNDS & *PERCENT CHANGE*

	1986			1985		YEAR TO DATE		
ITEM	DEC	NOV	%[a]	DEC	%[b]	1986	1985	%[c]
YARN+MONOFILAMENTS								
CELLULOSIC YARN	**18.2**	**15.2**	***+19.7***	**18.8**	***-3.2***	**212.3**	**210.1**	***+1.0***
NYLON[d] - INDUSTRIAL	30.9	27.1	*+14.0*	31.1	*-0.6*	333.4	345.1	*-3.4*
- CARPET	68.1	73.2	*-7.0*	82.5	*-17.5*	891.7	835.4	*+6.7*
- TEXTILE[e]	28.4	29.3	*-3.1*	30.6	*-7.2*	360.4	355.3	*+1.4*
POLYESTER - INDUSTRIAL	26.8	25.2	*+6.3*	24.5	*+9.4*	312.0	292.1	*+6.8*
- TEXTILE[e]	72.4	70.5	*+2.7*	79.1	*-8.5*	855.8	1020.4	*-16.1*
OLEFIN	105.9	85.5	*+23.9*	83.9	*+26.2*	1046.5	951.1	*+10.0*
TOTAL NONCELLULOSIC ABOVE	**332.5**	**310.8**	***+7.0***	**331.7**	***+0.2***	**3799.8**	**3799.4**	- -
STAPLE+TOW+FIBERFILL								
RAYON	**35.4**	**33.6**	***+5.4***	**30.7**	***+15.3***	**403.8**	**358.7**	***+12.6***
NYLON[d]	76.7	77.6	*-1.2*	82.0	*-6.5*	908.2	843.6	*+7.7*
ACRYLIC+MODACRYLIC	46.2	44.6	*+3.6*	44.9	*+2.9*	614.1	643.8	*-4.6*
POLYESTER	183.7	173.5	*+5.9*	167.9	*+9.4*	2123.3	2038.6	*+4.2*
OLEFIN+VINYON	26.1	27.9	*-6.5*	21.3	*+22.5*	330.5	288.2	*+14.7*
TOTAL NONCELLULOSIC ABOVE	**332.7**	**323.6**	***+2.8***	**316.1**	***+5.3***	**3976.1**	**3814.2**	***+4.2***

-- -- Means no change.
[a] Percent change from previous month to current month.
[b] Percent change to current month from same month last year.
[c] Percent change from cumulative total last year to cumulative total this year.
[d] Nylon excludes Aramid.
[e] Low denier industrial Nylon and Polyester is included with Textile.
Also see footnotes on last page of this issue.

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U.S. NONCELLULOSIC UTILIZATION RATE AT 84.5%

Based on year-end production data and November 1986 Capacity Survey results, the noncellulosic fiber capacity utilization rate for 1986 stood at 84.5%. This is the highest rate experienced since 1979. While production in 1986 was up 3.2%, the primary cause of the increased utilization rate was a 321 million pound, or a 3.4%, drop in capacity.

Over the past 10 years, capacity utilization rates typically ranged from 70 to 80%. The 1982 capacity utilization rate was 69%, the lowest rate recorded since 1975.

1986 capacity utilization rates are as follows:

- Nylon yarn+monofilament capacity utilization rate was 88.9% in 1986, the highest level since 1973 when the rate was 92.7%.
- Nylon textile yarn capacity utilization rate jumped to 90.5% in 1986, compared to 75.8% in 1985.
- Nylon staple reached an 85.6% utilization rate in 1986 compared to 77.6% in 1985.
- Polyester staple+tow utilization rate increased to 85.6% compared to 72.5% in 1985.

U.S. CELLULOSIC CAPACITY UTILIZATION RATE AT 87.3%

From 1971 to 1981, cellulosic fibers maintained an average capacity utilization rate of 83%. In 1982, the rate fell to 65.2%, the lowest level since 1975. The overall utilization rate reached a level of 87.3% for 1986, up 22.6% from 1985. Although production was up 11% in 1986, there was a 75 million pound ,or 9.6%, cut in industry capacity.

U.S. PRODUCTION OF MAN-MADE FIBERS INCREASES

In 1986, U.S. production of noncellulosic and cellulosic fibers increased 3.7% to 8,422 million pounds, 300 million pounds more than 1985 production. 8,422 million pounds is the highest production level since 1981 when production was 8,752 million pounds. In 1986, production of noncellulosic fibers totaled 7,803 million pounds, 3% more than the 1985 level. At the same time, cellulosic fiber production reached 619 million pounds, up 11% from the 558 million pounds produced in 1985. However, industry capacity reached it's lowest level in more than a decade.

INVENTORIES RISE

Year-end inventories of noncellulosic yarn+monofilaments and staple+tow rose to 631.7 million pounds in 1986 compared to 604.3 million pounds in 1985.

In comparison with 1985 inventory levels:

- Yarn+monofilaments rose 4.4% to 305.3 million pounds.
- Staple+tow inventories increased 4.7% to 326.4 million pounds.

CAPACITY UTILIZATION REVIEW

***Editor's Note** - This issue features production, producing capacity and capacity utilization in the industry from 1971 to 1986.*

During this period, several notable trends surfaced. The more significant were the growth of noncellulosic fiber production from 1971 (an increase of 82.2% by 1986) and the decline of cellulosic fiber production (a decrease of 55.5% by 1986).

Yet, cellulosic fibers maintained an average capacity utilization rate of 83% for the years 1971-1981, whereas 1982, at 65.2%, represents the lowest utilization rate since 1975. Noncellulosic fibers exhibited a relatively stable utilization rate, for most years in the 70-80% range. It should be noted, however, that 1982, at 69%, represented the lowest utilization rate since 1975.

Six tables and one graph comprise the data base for this report: Review of Production, Producing Capacity & Capacity Utilization; Summary of Annual Production (1971-1986); Production of Noncellulosic & Cellulosic Fibers as a Percentage of Total Man-Made Fiber Production; Producing Capacity of Noncellulosic & Cellulosic Fibers as a Percentage of Total Man-Made Fiber Capacity; Summary of Producing Capacities (1971-1986); and Summary of Capacity Utilization Rates (1971-1986).

Review of Production, Producing Capacity & Capacity Utilization ties the three major components of this report - production, producing capacity and capacity utilization - into one table for easy reference and comprehension. The page opposite depicts this summary graphically.

For the purpose of the report, **November** Textile Economics Bureau capacity survey data are used as the annual capacity figures.

The tables on pages 7 and 8 present the capacity data for 1971-1986.

In similar fashion, the tables on pages 6 and 7 list the production data for the same period.

The table on page 9 gives the capacity utilization rates by individual as well as generic fiber type.

TABLE 2:
REVIEW OF PRODUCTION, PRODUCING CAPACITY & CAPACITY UTILIZATION[a]
MILLION POUNDS & *PERCENT*

FIBER TYPE	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
NONCELLULOSIC														
PRODUCTION	6297	6212	5875	6615	7312	7768	8418	7874	7982	6442	7534	7473	7564	7803
CAPACITY	7022	7756	8420	9116	9352	9555	9784	9627	9696	9334	9367	9460	9558	9237
UTILIZATION (%)	*89.7*	*80.1*	*69.8*	*72.6*	*78.2*	*81.3*	*86.0*	*81.8*	*82.3*	*69.0*	*80.4*	*79.0*	*79.1*	*84.5*
CELLULOSIC														
PRODUCTION	1357	1199	749	841	888	905	930	806	770	584	640	628	558	619
CAPACITY	1493	1373	1239	1193	1063	1086	1109	909	898	895	845	845	784	709
UTILIZATION (%)	*90.9*	*87.3*	*60.5*	*70.5*	*83.5*	*83.3*	*83.9*	*88.7*	*85.7*	*65.2*	*75.7*	*74.3*	*71.2*	*87.3*
TOTAL MAN-MADE FIBERS														
PRODUCTION	7654	7411	6624	7456	8200	8673	9348	8680	8752	7026	8174	8101	8122	8422
CAPACITY	8515	9129	9659	10309	10415	10641	10893	10536	10594	10229	10212	10305	10342	9946
UTILIZATION (%)	*89.9*	*81.2*	*68.6*	*72.3*	*78.7*	*81.5*	*85.8*	*82.4*	*82.6*	*68.7*	*80.0*	*78.6*	*78.5*	*84.7*

a. Data on Glass Fiber Production & Capacity is no longer available due to company disclosure.
This series, including Glass Fiber, was last published in the January 1984 issue.

GRAPH 1:
NONCELLULOSIC FIBER PRODUCTION, CAPACITY & CAPACITY UTILIZATION

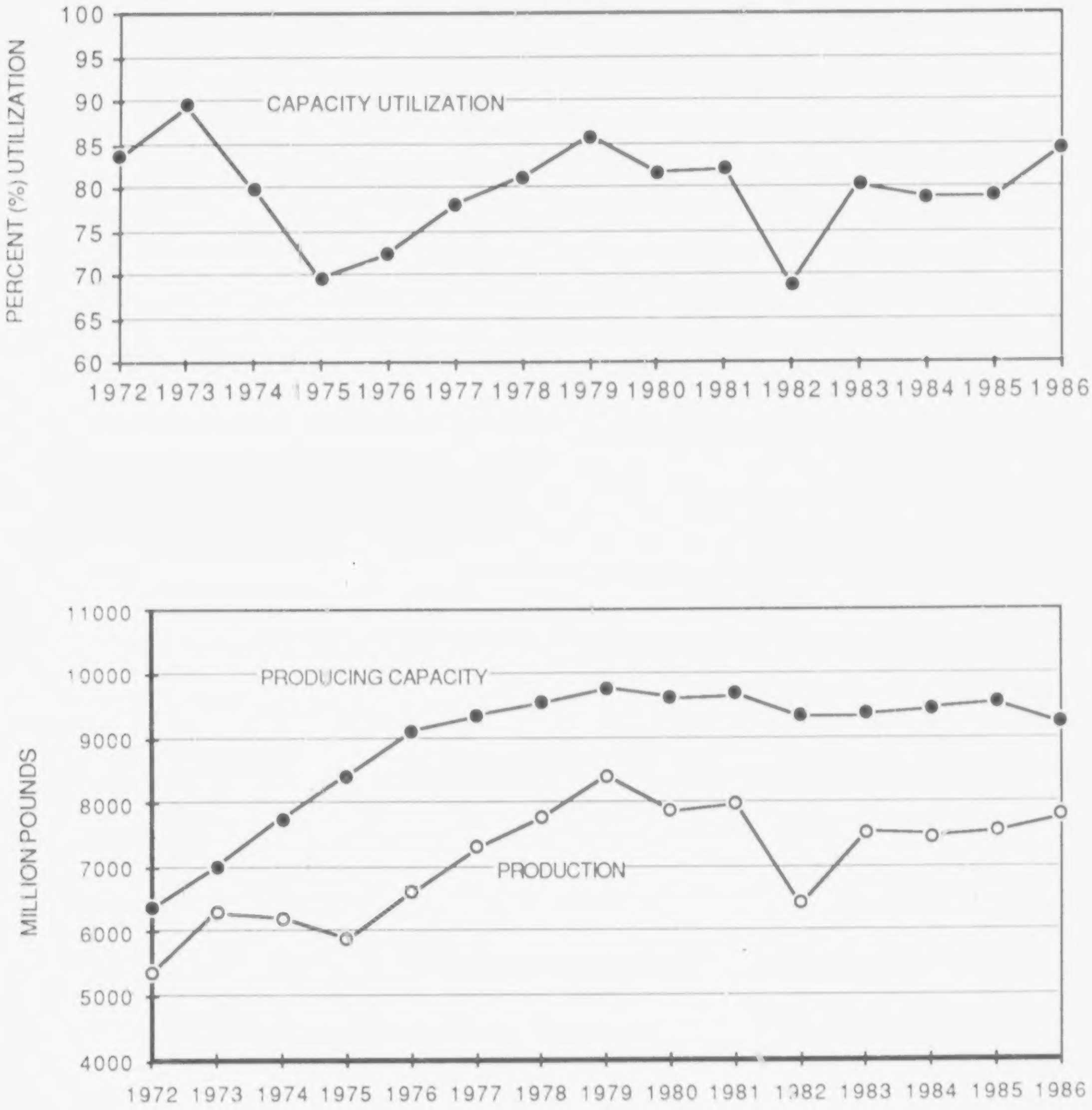


TABLE 3:
SUMMARY OF ANNUAL PRODUCTION (1971-1986)
MILLION POUNDS

	CELLULOSIC FIBERS						
	FILAMENT YARN+MONOFIL			STAPLE+TOW			TOTAL CELL.
YEAR	RAYON	ACETATE	TOTAL	RAYON	ACETATE	TOTAL	
1971	304	449	753	612	26	638	**1391**
1972	252	401	653	713	28	741	**1394**
1973	198	437	635	697	25	722	**1357**
1974	172	362	534	645	20	665	**1199**
1975	65	301	366	371	12	383	**749**
1976	68	287	355	475	11	486	**841**
1977	71	282	353	527	8	535	**888**
1978	62	301	363	535	7	542	**905**
1979	57	317	374	549	7	556	**930**
1980	47	309	356	443	7	450	**806**
1981	48	257	305	461	4	465	**770**
1982	33	195	228	355	1	356	**584**
1983	36	228	264	375	1	376	**640**
1984	41	198	239	389	+	389	**628**
1985	b	b	205	b	b	353	**558**
1986	b	b	215	b	b	404	**619**

	NONCELLULOSIC FIBERS														
	YARN+MONOFILAMENTS									STAPLE+TOW					TOTAL NON-CELL.
	NYLON+ARAMID[a]				POLYESTER				TOTAL YARN	NYLON+ ARAMID[a]	POLY-ESTER	ACRYLIC+ MODACR	OLEFIN+ VINYON	TOTAL STAPLE	
YEAR	IND	TEX	CARP	TOTAL	IND	TEX	TOTAL	OLEFIN							
1971	DETAIL NOT AVAILABLE			1238	DETAIL NOT AVAILABLE		678	262	2178	357	1143	545	60	2105	**4283**
1972				1464			952	347	2763	511	1376	626	70	2583	**5346**
1973				1583			1320	424	3327	592	1568	742	68	2970	**6297**
1974				1560			1408	463	3431	564	1518	631	68	2781	**6212**
1975	348	417	531	1296	271	1188	1459	443	3198	562	1536	525	54	2677	**5875**
1976	390	429	554	1373	342	1063	1405	516	3294	703	1936	621	61	3321	**6615**
1977	401	457	654	1512	360	1232	1592	554	3658	814	2050	709	81	3654	**7312**
1978	438	503	713	1654	355	1209	1564	597	3815	896	2236	726	95	3953	**7768**
1979	499	528	755	1782	373	1342	1715	639	4136	939	2462	761	120	4282	**8418**
1980	437	466	728	1631	286	1176	1462	632	3725	727	2527	779	116	4149	**7874**
1981	410	461	710	1581	309	1257	1566	643	3790	752	2607	691	142	4192	**7982**
1982	315	354	573	1242	292	921	1213	585	3040	685	1955	624	138	3402	**6442**
1983	315	415	762	1492	299	1060	1359	716	3567	926	2184	671	186	3967	**7534**
1984	379	394	804	1577	316	884	1200	748	3525	835	2192	671	250	3948	**7473**
1985	343	353	819	1515	294	1027	1321	954	3790	828	2020	631	295	3774	**7564**
1986	339	360	898	1597	317	853	1170	1045	3812	908	2132	616	335	3991	**7803**

a. 1983 - 1986 exclude Aramid.

b. Detail withheld due to company disclosure.

Rayon yarn includes industrial (high tenacity) yarn and textile (regular+intermediate tenacity) yarn+monofilaments.

Acetate includes diacetate and triacetate. The acetate staple+tow data do not include poundages of tow for cigarette filtration.

Olefin includes polypropylene yarn+monofilaments+spunbonded+film fiber and polyethylene monofilaments+film fiber.

For the purposes of this report, production data for miscellaneous fibers, such as saran and spandex, are not included.

TABLE 4:
PRODUCTION OF NONCELLULOSIC & CELLULOSIC FIBERS[a] AS A PERCENTAGE OF TOTAL MAN-MADE FIBER PRODUCTION

MILLION POUNDS & *PERCENT*

YEAR	NON-CELLULOSIC	%	CELLULOSIC	%	TOTAL MAN-MADE FIBER	%
1971	4283	*75.5*	1391	*24.5*	5674	*100.0*
1972	5346	*79.3*	1394	*20.7*	6740	*100.0*
1973	6297	*82.2*	1357	*17.8*	7654	*100.0*
1974	6212	*83.8*	1199	*16.2*	7411	*100.0*
1975	5875	*88.7*	749	*11.3*	6624	*100.0*
1976	6615	*88.7*	841	*11.3*	7456	*100.0*
1977	7312	*89.2*	888	*10.8*	8200	*100.0*
1978	7768	*89.6*	905	*10.4*	8673	*100.0*
1979	8418	*90.1*	930	*9.9*	9348	*100.0*
1980	7874	*90.7*	806	*9.3*	8680	*100.0*
1981	7982	*91.2*	770	*8.8*	8752	*100.0*
1982	6442	*91.7*	584	*8.3*	7026	*100.0*
1983	7534	*92.2*	640	*7.8*	8174	*100.0*
1984	7473	*92.2*	628	*7.8*	8101	*100.0*
1985	7564	*93.1*	558	*6.9*	8122	*100.0*
1986	7803	*92.7*	619	*7.3*	8422	*100.0*

[a] Data on Glass Fiber is no longer available due to company disclosure.
The series, including Glass Fiber, was last published in the January 1984 issue.

TABLE 5:
PRODUCING CAPACITY OF NONCELLULOSIC & CELLULOSIC FIBERS AS A PERCENTAGE OF TOTAL MAN-MADE FIBER CAPACITY

MILLION POUNDS & *PERCENT*

YEAR	NON-CELLULOSIC	%	CELLULOSIC	%	TOTAL MAN-MADE FIBER	%	NON-ADD GLASS FIBER
1971	5397	*77.0*	1615	*23.0*	7012	*100.0*	696
1972	6376	*80.8*	1513	*19.2*	7889	*100.0*	721
1973	7022	*82.5*	1493	*17.5*	8515	*100.0*	737
1974	7756	*85.0*	1373	*15.0*	9129	*100.0*	821
1975	8420	*87.2*	1239	*12.8*	9659	*100.0*	909
1976	9116	*88.4*	1193	*11.6*	10309	*100.0*	893
1977	9352	*89.8*	1063	*10.2*	10415	*100.0*	1002
1978	9555	*89.8*	1086	*10.2*	10641	*100.0*	1118
1979	9784	*89.8*	1109	*10.2*	10893	*100.0*	1305
1980	9627	*91.4*	909	*8.6*	10536	*100.0*	1473
1981	9696	*91.5*	898	*8.5*	10594	*100.0*	1561
1982	9334	*91.3*	895	*8.7*	10229	*100.0*	1718
1983	9367	*91.7*	845	*8.3*	10212	*100.0*	1618
1984	9460	*91.8*	845	*8.2*	10305	*100.0*	1743
1985	9558	*92.4*	784	*7.6*	10342	*100.0*	1769
1986	9207	*92.8*	709	*7.2*	9916	*100.0*	1763

TABLE 6:
SUMMARY OF PRODUCING CAPACITIES (1971-1986)
MILLION POUNDS

YEAR [a]	CELLULOSIC FIBERS						TOTAL CELL.
	FILAMENT YARN+MONOFIL			STAPLE+TOW			
	RAYON	ACETATE	TOTAL	RAYON	ACETATE	TOTAL	
1971	337	490	827	757	31	788	1615
1972	235	486	721	761	31	792	1513
1973	224	473	697	768	28	796	1493
1974	172	449	621	724	28	752	1373
1975	100	384	484	737	18	755	1239
1976	85	399	484	691	18	709	1193
1977	85	315	400	655	8	663	1063
1978	83	330	413	665	8	673	1086
1979	75	355	430	671	8	679	1109
1980	63	324	387	514	8	522	909
1981	52	332	384	509	5	514	898
1982	63	318	381	510	4	514	895
1983	63	268	331	510	4	514	845
1984	63	268	331	510	4	514	845
1985	c	c	269	510	5	515	784
1986	c	c	244	c	c	465	709

YEAR	NONCELLULOSIC FIBERS														TOTAL NON-CELL.	GLASS FIBER
	YARN+MONOFILAMENTS									STAPLE+TOW						
	NYLON+ARAMID [b]				POLYESTER				TOTAL YARN	NYLON+ ARAMID[b]	POLY- ESTER	ACRYLIC+ MODACR	OLEFIN+ VINYON	TOTAL STAPLE		
	IND	TEX	CARP	TOTAL	IND	TEX	TOTAL	OLEFIN								
1971	463	522	531	1516	337	559	896	365	2777	460	1355	698	107	2620	5397	696
1972	469	559	626	1654	364	892	1256	432	3342	602	1571	754	107	3034	6376	721
1973	466	534	707	1707	385	1118	1503	510	3720	701	1709	787	105	3302	7022	737
1974	494	552	770	1816	405	1351	1756	600	4172	757	1899	824	104	3584	7756	821
1975	503	553	786	1842	391	1576	1967	815	4624	827	2021	827	121	3796	8420	909
1976	519	552	787	1858	442	1701	2143	861	4862	910	2355	869	120	4254	9116	893
1977	523	558	829	1910	443	1698	2141	907	4958	939	2470	869	116	4394	9352	1002
1978	510	565	908	1983	443	1643	2086	915	4984	1023	2554	865	129	4571	9555	1118
1979	513	579	950	2042	443	1699	2142	922	5106	1020	2673	839	146	4678	9784	1305
1980	515	551	910	1976	400	1637	2037	900	4913	991	2759	830	134	4714	9627	1473
1981	514	553	893	1960	316	1481	1797	989	4746	1010	2839	835	266	4950	9696	1561
1982	474	513	925	1912	338	1265	1603	1038	4553	978	2700	832	271	4781	9334	1718
1983	440	494	950	1884	337	1170	1507	1099	4490	1017	2754	826	280	4877	9367	1618
1984	437	470	926	1833	342	1162	1504	1142	4479	1054	2784	807	336	4981	9460	1743
1985	437	466	965	1868	374	1097	1471	1329	4668	1067	2785	631	407	4890	9558	1769
1986	435	398	964	1797	401	1021	1422	1326	4545	1077	2491	637	457	4662	9207	1763

a. All annual capacity data are as of November of that year.

b. 1983 - 1986 exclude Aramid.

c. Detail withheld due to disclosure.

The data do not include the poundages of acetate tow for cigarette filtration.

IND means industrial yarn and monofil, i.e., coarser than 500 denier with an Instron tenacity of 7 grams or more per denier.

CARP means bulked continuous filament yarn for carpets.

TEX means yarn & monofil for other (textile) applications. Low denier industrial yarn is tabulated here also.

Olefin includes polyethylene & polypropylene. Not included here are data on spunbonded polyethylene, monofilament bristles and film fiber used for decorative or tying ribbon, etc. Olefin monofil includes the circular and rectangular ribbon cross sections plus spunbonded polypropylene. Olefin film fiber includes slit and split or fibrillated film.

For the purposes of this report, production data for miscellaneous fibers, such as saran and spandex, are not included.

TABLE 7:
SUMMARY OF CAPACITY UTILIZATION RATES (1971-1986)
PERCENT (%)

	CELLULOSIC FIBERS						
	FILAMENT YARN+MONOFIL			STAPLE+TOW			TOTAL
YEAR	RAYON	ACETATE	TOTAL	RAYON	ACETATE	TOTAL	CELL.
1971	90.2	91.6	91.1	80.8	83.9	81.0	**86.1**
1972	107.2	82.5	90.6	93.7	90.3	93.6	**92.1**
1973	88.4	92.4	91.1	90.8	89.3	90.7	**90.9**
1974	100.0	80.6	86.0	89.1	71.4	88.4	**87.3**
1975	65.0	78.4	75.6	50.3	66.7	50.7	**60.5**
1976	80.0	71.9	73.3	68.7	61.1	68.5	**70.5**
1977	83.5	89.5	88.3	80.5	100.0	80.7	**83.5**
1978	74.7	91.2	87.9	80.5	87.5	80.5	**83.3**
1979	76.0	89.3	87.0	81.8	87.5	81.9	**83.9**
1980	74.6	95.4	92.0	86.2	87.5	86.2	**88.7**
1981	92.3	77.4	79.4	90.6	80.0	90.5	**85.7**
1982	52.4	61.3	59.8	69.6	25.0	69.3	**65.2**
1983	57.1	85.1	79.8	73.5	25.0	73.1	**75.7**
1984	65.1	73.9	72.2	b	b	75.7	**74.3**
1985	b	b	76.2	b	b	68.5	**71.2**
1986	b	b	88.1	b	b	86.9	**87.3**

	NONCELLULOSIC FIBERS[c]														
	YARN+MONOFILAMENTS									STAPLE+TOW					TOTAL NON-CELL.
	NYLON+ARAMID[a]				POLYESTER				TOTAL	NYLON+	POLY-	ACRYLIC+	OLEFIN+	TOTAL	
YEAR	IND	TEX	CARP	TOTAL	IND	TEX	TOTAL	OLEFIN	YARN	ARAMID[a]	ESTER	MODACR	VINYON	STAPLE	
1971	DETAIL NOT AVAILABLE			81.7	DETAIL NOT AVAILABLE		75.7	71.8	78.4	77.6	84.4	78.1	56.1	80.3	**79.4**
1972				88.5			75.8	80.3	82.7	84.9	87.6	83.0	65.4	85.1	**83.8**
1973				92.7			87.8	83.1	89.4	84.5	91.7	94.3	64.8	89.9	**89.7**
1974				85.9			80.2	77.2	82.2	74.5	79.9	76.6	65.4	77.6	**80.1**
1975	69.2	75.4	67.6	70.4	69.3	75.4	74.2	54.4	69.2	68.0	76.0	63.5	44.6	70.5	**69.8**
1976	75.1	77.7	70.4	73.9	77.4	62.5	65.6	59.9	67.7	77.3	82.2	71.5	50.8	78.1	**72.6**
1977	76.7	81.9	78.9	79.2	81.3	72.6	74.4	61.1	73.8	86.7	83.0	81.6	69.8	83.2	**78.2**
1978	85.9	89.0	78.5	83.4	80.1	73.6	75.0	65.2	76.5	87.6	87.5	83.9	73.6	86.5	**81.3**
1979	97.3	91.2	79.5	87.3	84.2	79.0	80.1	69.3	81.0	92.1	92.1	90.7	82.2	91.5	**86.0**
1980	84.9	84.6	80.0	82.5	71.5	71.8	71.8	70.2	75.8	73.4	91.6	93.9	86.6	88.0	**81.8**
1981	79.8	83.4	79.5	80.7	97.8	84.9	87.1	65.0	79.9	74.5	91.8	82.8	53.4	84.7	**82.3**
1982	66.4	69.0	61.9	64.9	86.4	72.8	75.7	56.3	66.8	70.0	72.4	75.0	50.9	71.1	**69.0**
1983	71.6	84.0	80.2	79.2	88.7	90.6	90.2	65.1	79.4	91.0	79.3	81.2	66.4	81.3	**80.4**
1984	86.7	83.8	86.8	86.0	92.4	76.1	79.8	65.5	78.7	79.2	78.7	83.1	74.4	79.3	**79.0**
1985	78.5	75.8	84.9	81.1	78.6	93.6	89.8	71.8	81.2	77.6	72.5	100.0	72.5	77.2	**79.1**
1986	77.9	90.5	93.1	88.9	79.1	83.5	82.3	78.8	83.9	84.3	85.6	96.7	73.3	85.6	**84.5**

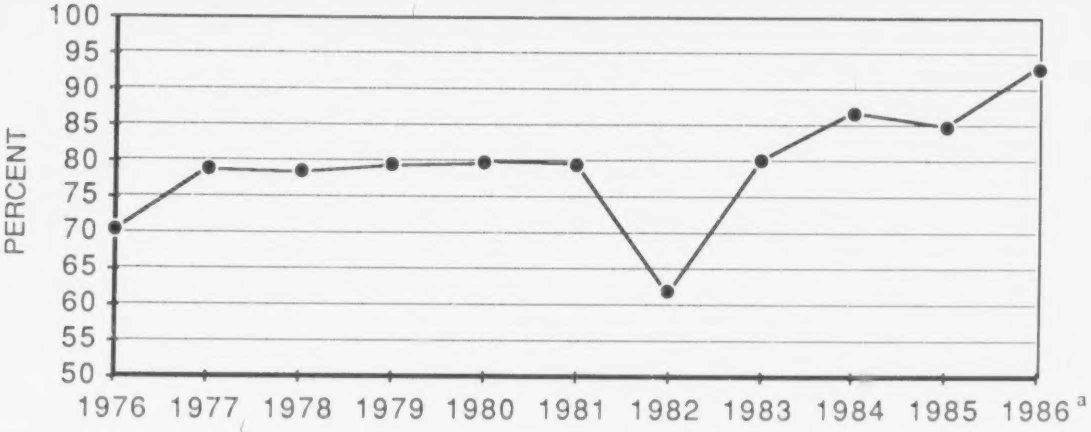
All percentages are tabulated using the tables on pages 6 and 8.

a. 1983 - 1986 exclude Aramid.

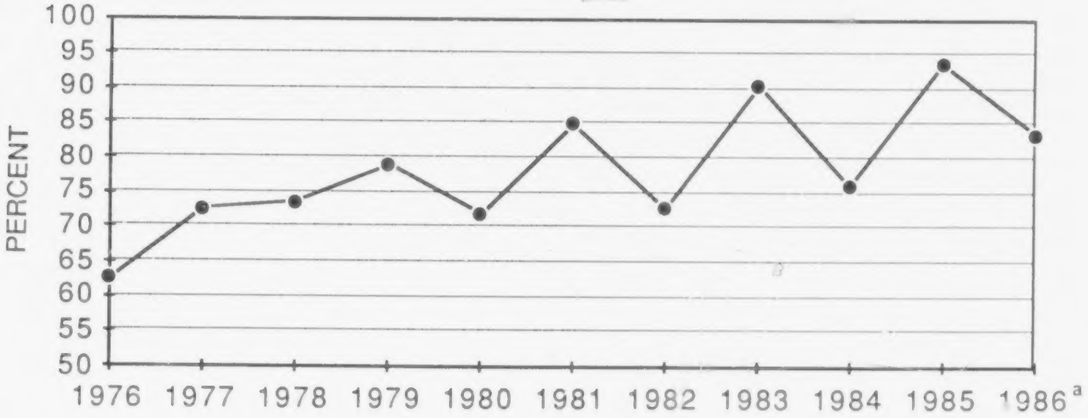
b. Detail withheld due to company disclosure.

c. Data on Glass Fiber is no longer available due to company disclosure. The series including Glass Fiber was last published in the January 1984 issue.

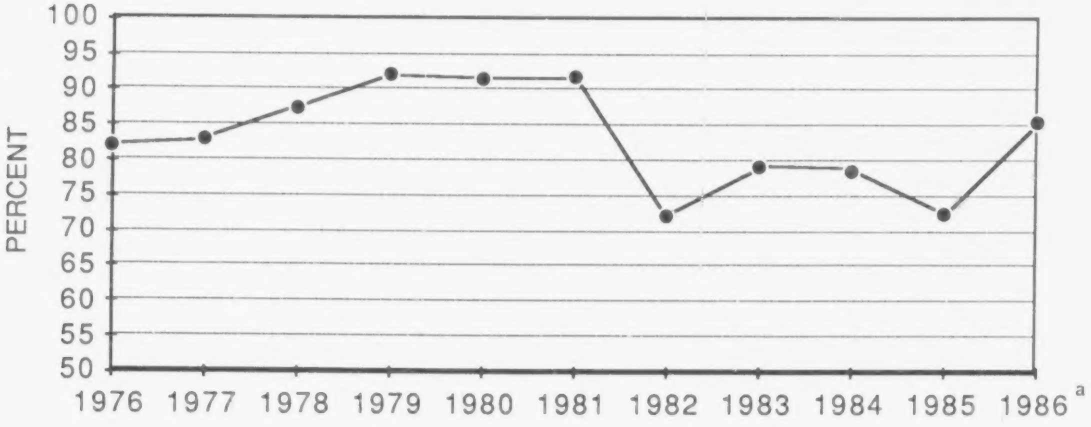
GRAPH 2:
NYLON CARPET YARN CAPACITY UTILIZATION



GRAPH 3:
POLYESTER TEXTILE YARN CAPACITY UTILIZATION



GRAPH 4:
POLYESTER STAPLE+TOW CAPACITY UTILIZATION



[a] Utilization based on November 1986 capacity survey and annualized January-December production data.

RECENT MAN-MADE FIBER TRADE BALANCE DECLINES: IMPORTS AND EXPORTS RISE

In November, the U.S. man-made fiber balance of trade fell to 18.5 million pounds, down 22.6% from 23.9 million pounds in October.

November fiber exports totaled 60.0 million pounds, up10.9% from the previous month's exports. Imports rose to 41.5 million pounds, up 34.3% from 30.9 million pounds in October.

For the first 11 months of 1986, imports for consumption of noncellulosic fibers increased significantly over the same period in 1985. Noncellulosic yarn+monofilament imports increased 18.5%, while staple+tow imports rose 13.4%.

There were notable increases in U.S. imports of noncellulosic yarn+monofilaments from the following countries:

- Belgium increased 6.3 million pounds; up 101%.
- Costa Rica increased 5.7 million pounds; up 1694%.
- France increased 3.0 million pounds; up 66.9%.
- Germany, Fed. Rep. increased 4.7 million pounds; up 30.1%.
- Mexico increased 5.1 million pounds; up 66.1%.

There were significant increases in U.S. imports of noncellulosic staple+tow from the following countries:

- Italy increased 4.7 million pounds; up 30.2%.
- Mexico increased 6.9 million pounds; up 96.2%.
- Taiwan increased 2.5 million pounds; up15.3%.
- United Kingdom increased 8.2 million pounds; up 65.5%.

TABLE 8:
TOTAL MAN-MADE FIBER SHIPMENTS

MILLION POUNDS & *PERCENT CHANGE*

ITEM	1986	1985	% [a]	1984	% [b]	1983	% [c]
YARN+MONOFILAMENTS							
CELLULOSIC YARN [d]	**212.3**	**210.1**	***+1.0***	**198.3**	***+7.1***	**225.8**	***-6.0***
NYLON - INDUSTRIAL	333.4	345.1	*-3.4*	375.1	*-11.1*	318.1	*+4.8*
- CARPET	891.7	835.4	*+6.7*	794.9	*+12.2*	762.6	*+16.9*
- TEXTILE [e]	360.4	355.3	*+1.4*	387.4	*-7.0*	416.9	*-13.6*
POLYESTER - INDUSTRIAL	312.0	292.1	*+6.8*	313.1	*-0.4*	307.8	*+1.4*
- TEXTILE [e]	855.8	1020.4	*-16.1*	885.0	*-3.3*	1053.1	*-18.7*
OLEFIN	1046.5	951.1	*+10.0*	742.1	*+41.0*	714.2	*+46.5*
TOTAL NONCELLULOSIC ABOVE	**3799.8**	**3799.4**	- -	**3497.6**	***+8.6***	**3572.7**	***+6.4***
STAPLE+TOW+FIBERFILL							
RAYON	**403.8**	**358.7**	***+12.6***	**384.0**	***+5.2***	**377.4**	***+7.0***
NYLON	908.2	843.6	*+7.7*	831.3	*+9.3*	911.2	*-0.3*
ACRYLIC+MODACRYLIC	614.1	643.8	*-4.6*	666.2	*-7.8*	654.7	*-6.2*
POLYESTER	2123.3	2038.6	*+4.2*	2192.4	*-3.2*	2197.8	*-3.4*
OLEFIN+VINYON	330.5	288.2	*+14.7*	246.7	*+34.0*	189.7	*+74.2*
TOTAL NONCELLULOSIC ABOVE	**3976.1**	**3814.2**	***+4.2***	**3936.6**	***+1.0***	**3953.4**	***+0.6***

- - Means no change.

a. Percent change from 1985 to 1986.

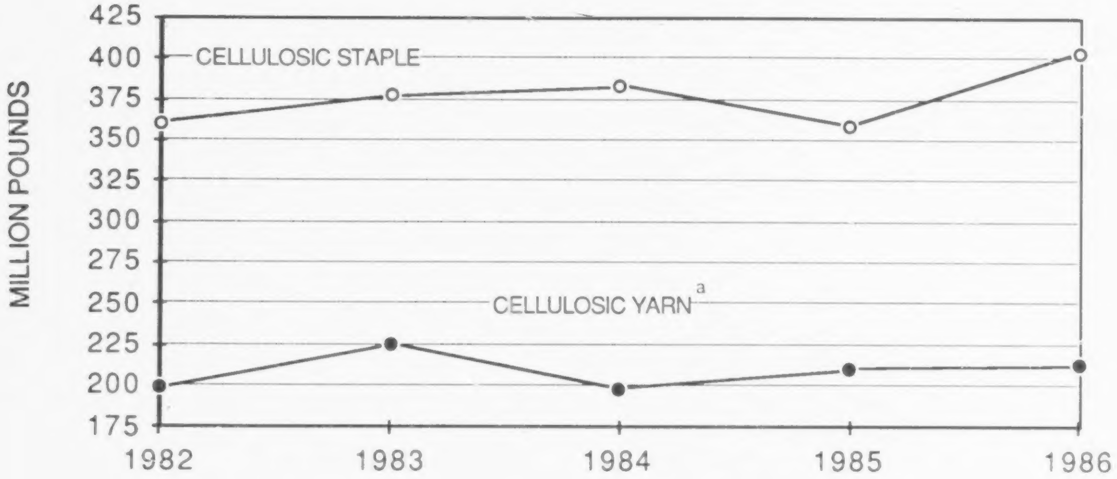
b. Percent change from 1984 as compared to 1986 only.

c. Percent change from 1983 as compared to 1986 only.

d. 1983 and 1984 data for Acetate only. 1985 and 1986 data includes Rayon and Acetate Yarn.

e. Low denier industrial Nylon and Polyester is now included with Textile.

GRAPH 5:
ANNUAL SHIPMENT COMPARISON



a. 1982 to 1984 data for Acetate only. 1985 and 1986 data includes Rayon and Acetate yarn

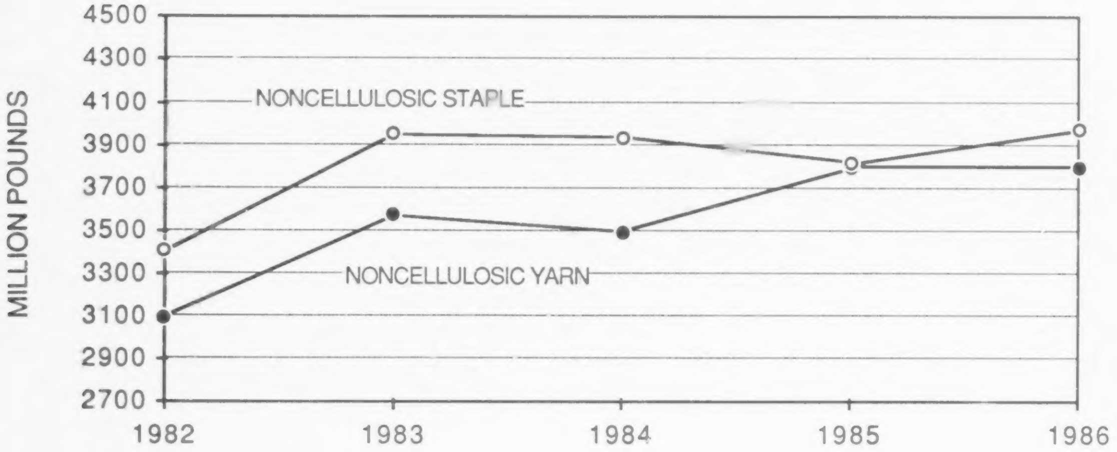


TABLE 9:
1985 MAN-MADE FIBER PRODUCTION, IMPORT, EXPORT & NET AVAILABLE SUPPLY BY COUNTRY (EXCEPT OLEFIN & TEXTILE GLASS)
MILLION POUNDS

COUNTRY & AREA	CELLULOSIC								NONCELLULOSIC								TOTAL MAN-MADE FIBERS					
	YARN				STAPLE+TOW				YARN				STAPLE+TOW									
	PROD	IMP	EXP	AVAIL	PROD	IMP	EXP	AVAIL	PROD	IMP	EXP	AVAIL	PROD	IMP	EXP	AVAIL	PROD	IMP	EXP	CELL SPUN	NC SPUN	NET AVAIL
WEST EUROPE																						
AUSTRIA	32.8	9.8	+	42.6	240.3	10.8	188.3	62.8	0	44.4	6.5	37.9	39.9	49.0	44.2	44.7	313.0	114.0	239.0	-41.8	-11.9	134.3
BENELUX	92.6	26.8	131.7	-12.3	0	101.6	6.9	94.7	156.5	306.2	207.5	255.2	63.9	265.5	133.8	195.6	313.0	700.1	479.9	+30.5	+54.5	618.2
IRELAND (EIRE)	0	1.5	0.2	1.3	0	4.9	0.4	4.5	25.4	21.5	36.8	10.1	97.0	7.7	65.8	38.9	122.4	35.6	103.2	+0.7	+1.1	56.6
FINLAND	0	3.0	+	3.0	132.3	5.7	137.1	0.9	1.1	26.5	1.9	25.7	0	33.0	0.6	32.4	133.4	68.2	139.6	+1.5	+7.8	71.3
FRANCE	15.4	56.9	22.6	49.7	33.1	56.2	26.2	63.1	133.8	184.5	115.3	203.0	273.4	281.5	201.2	353.7	455.7	579.1	365.3	+11.2	+3.5	684.2
GERM., FED. REP.	141.1	56.3	52.9	144.5	121.3	105.6	79.0	147.9	793.7	183.3	679.8	297.2	886.2	288.4	872.8	301.8	1942.3	633.6	1684.5	-1.7	-22.0	867.7
GREECE	15.4	0.5	14.3	1.6	0	12.6	1.3	11.3	19.8	12.5	13.6	18.7	22.0	47.0	23.2	45.8	57.2	72.6	52.4	+0.2	-1.6	76.0
ITALY/MALTA	66.6	59.1	35.2	90.5	0	118.0	5.7	112.3	374.8	151.4	277.5	248.7	855.4	414.6	627.1	642.9	1296.8	743.1	945.5	-3.9	-111.4	979.1
NORWAY	0	0.4	+	0.4	0	6.1	0.3	5.8	0	12.0	1.8	10.2	0	10.1	0.1	10.0	0	28.6	2.2	+0.5	+2.7	29.6
PORTUGAL	2.2	5.4	0.4	7.2	0	21.9	0.3	21.6	2.2	42.6	2.0	42.8	108.0	26.7	11.4	123.3	112.4	96.6	14.1	-0.4	-16.3	178.2
SPAIN	16.5	16.3	4.4	28.4	66.1	33.2	12.1	87.2	187.4	24.9	35.4	176.9	416.7	83.9	156.9	343.7	686.7	158.3	208.8	-0.9	-50.3	585.0
SWEDEN	0	4.0	+	4.0	72.8	8.4	72.7	8.5	0	30.1	0.6	29.5	0	26.3	0.4	25.9	72.8	68.8	73.7	+1.1	+7.8	76.8
SWITZERLAND	0	4.5	1.1	3.4	0	17.8	0.7	17.1	158.7	22.6	173.8	7.5	60.6	35.0	81.3	14.3	219.3	79.9	256.9	-1.8	-1.6	38.9
TURKEY	0.7	17.5	0.1	18.1	11.0	31.0	0.7	41.3	114.6	47.6	49.1	113.1	304.0	73.2	112.9	264.3	430.3	169.3	162.8	0	-61.7	375.1
UNITED KINGDOM	41.9	27.9	38.1	31.7	132.7	53.9	140.6	46.0	199.5	269.3	152.2	316.6	328.5	199.5	204.0	324.0	702.6	550.6	534.9	+3.5	+74.6	796.4
TOTAL WEST EUROPE	**425.2**	**289.9**	**301.0**	**414.1**	**809.6**	**587.7**	**672.3**	**725.0**	**2167.5**	**1379.4**	**1753.8**	**1793.1**	**3455.6**	**1841.4**	**2535.7**	**2761.3**	**6857.9**	**4098.4**	**5262.8**	**-1.3**	**-124.8**	**5567.4**
U.S.A.	**205.0**	**13.9**	**10.6**	**208.3**	**353.0**	**12.3**	**37.8**	**327.5**	**2835.8**	**104.6**	**325.8**	**2614.6**	**3478.6**	**159.4**	**416.5**	**3221.5**	**6872.4**	**290.2**	**790.7**	**+1.5**	**-4.6**	**6368.8**
OTHER AMERICAS																						
ARGENTINA	3.3	1.1	0	4.4	3.3	1.1	0	4.4	59.7	0.4	0.2	59.9	37.0	1.5	0	38.5	103.3	4.1	0.2	0	0	107.2
BRAZIL	44.3	1.9	10.9	35.3	58.4	0.1	8.5	50.0	268.3	2.8	6.0	265.1	222.2	2.0	21.9	202.3	593.2	6.8	47.3	0	-3.4	549.3
CANADA	17.6	25.2	12.1	30.7	59.3	4.9	41.5	22.7	165.6	115.1	40.8	239.9	119.9	89.9	17.8	192.0	362.4	235.1	112.2	-0.5	-11.9	472.9
CHILE	2.9	0.1	0	3.0	8.4	3.9	0	12.3	7.3	0.7	0.1	7.9	4.4	9.0	0	13.4	23.0	13.7	0.1	0	+	36.6
COLOMBIA	4.0	0.1	0	4.1	0	2.2	0	2.2	84.4	1.7	0	86.1	26.5	10.8	0	37.3	114.9	14.8	0	0	0	129.7
COSTA RICA	0	+	0	+	0	0.1	0	0.1	7.7	3.1	0.9	9.9	0	4.2	2.6	1.6	7.7	7.4	3.5	0	0	11.6
CUBA	4.6	0.1	+	4.7	7.7	0	0	7.7	0	1.5	0	1.5	0	0	0	0	12.3	1.6	0	0	0	13.9
ECUADOR	0	1.0	0	1.0	0	5.1	0	5.1	10.8	4.0	0	14.8	0	12.9	0	12.9	10.8	23.0	0	0	0	33.8
MEXICO	26.9	+	1.4	25.5	0	15.9	0.3	15.6	335.5	3.0	17.9	320.6	348.5	4.3	12.2	340.6	710.9	23.2	31.8	0	-6.6	695.7
PERU	3.7	2.4	+	6.1	0	2.0	0	2.0	29.3	4.0	0	33.3	72.8	2.6	0	75.4	105.8	11.0	0	+	-0.6	116.2
URUGUAY	2.2	0	0	2.2	0	1.5	0	1.5	4.6	0.2	0	4.8	8.8	0.4	0	9.2	15.6	2.1	0	0	0	17.7
VENEZUELA	4.6	+	0.1	4.5	0	26.2	0	26.2	24.0	2.4	0	26.4	13.2	4.6	0	17.8	41.8	33.2	0.1	0	0	74.9
TOTAL O. AMERICAS	**114.1**	**31.9**	**24.5**	**121.5**	**137.1**	**63.0**	**50.3**	**149.8**	**997.2**	**138.9**	**65.9**	**1070.2**	**853.3**	**142.2**	**54.5**	**941.0**	**2101.7**	**376.0**	**195.2**	**-0.5**	**-22.5**	**2259.5**
JAPAN	**104.6**	**2.8**	**98.4**	**9.0**	**244.9**	**0.7**	**234.4**	**11.2**	**1411.4**	**57.9**	**310.1**	**1159.2**	**1669.5**	**23.4**	**580.0**	**1112.9**	**3430.4**	**84.8**	**1222.9**	**-2.0**	**+74.2**	**2364.5**
AFRICA, ASIA & OCEANIA																						
AUSTRALIA/N.Z.	0	3.3	0	3.3	0	8.0	+	8.0	29.8	33.8	0.1	63.5	2.2	20.9	0.4	22.7	32.0	66.0	0.5	+0.3	+12.8	110.6
BANGLADESH	6.0	0	+	6.0	2.2	1.2	0	3.4	0.9	1.1	0	2.0	0	0.7	0	0.7	9.1	3.0	0	0	0	12.1
EGYPT	15.4	1.4	0.2	16.6	10.4	4.9	0	15.3	12.3	14.9	0	27.2	60.8	17.1	1.1	76.8	98.9	38.3	1.3	+0.3	-1.6	134.6
INDIA	103.4	7.1	0.9	109.6	209.4	31.2	0	240.6	281.1	26.7	0.4	307.4	144.2	26.8	0.5	170.5	738.1	91.8	1.8	-0.1	-0.7	827.3
INDONESIA	0	15.2	7.7	7.5	88.2	5.0	0.1	93.1	169.5	32.4	4.8	197.1	155.0	55.3	0.1	210.2	412.7	107.9	12.7	-4.3	-1.1	502.5
IRAN	0	6.4	0	6.4	0	18.6	0	18.6	29.8	21.3	0	51.1	68.3	17.8	0	86.1	98.1	64.1	0	+0.3	+53.2	215.7
IRAQ	6.6	1.4	0	8.0	12.1	3.2	0	15.3	0	4.1	0	4.1	0	4.8	0	4.8	18.7	13.5	0	+1.0	+0.7	33.9
ISRAEL	0	2.1	0.1	2.0	0	7.3	0	7.3	23.1	17.4	13.1	27.4	16.1	10.1	10.9	15.3	39.2	36.9	24.1	+0.5	+4.0	56.5
KENYA	0	0	0	0	0	5.9	0	5.9	11.2	0.7	0	11.9	2.2	6.9	0	9.1	13.4	13.5	0.0	0	0	26.9
KOREA, REP.OF	30.4	22.3	9.3	43.4	0	55.4	0	55.4	901.0	30.5	166.6	764.9	888.2	60.9	156.9	792.2	1819.6	169.1	332.8	-0.8	-127.7	1527.4
MALAYSIA	0	1.3	+	1.3	0	5.0	0	5.0	0	0.3	0	0.3	85.5	13.3	0	98.8	85.5	19.9	0	0	-12.8	92.6
NIGERIA	0	0.5	+	0.5	0	4.5	0	4.5	7.1	9.5	+	16.6	6.6	1.2	0	7.8	13.7	15.7	0	+0.2	+1.3	30.9
PAKISTAN	7.1	4.5	0	11.6	0	35.6	0	35.6	34.4	17.8	0	52.2	50.7	14.5	0	65.2	92.2	72.4	0	0	0	164.6
PHILIPPINES	0	0.3	0	0.3	0	12.4	0	12.4	48.5	4.5	0	53.0	36.4	17.7	0	54.1	84.9	34.9	0	0	-1.0	118.8
SOUTH AFRICA	0	3.1	0.1	3.0	0	14.2	0	14.2	112.4	6.6	21.2	97.8	40.4	40.4	4.2	76.6	152.8	64.3	25.5	+0.3	-4.2	187.7
SRI LANKA	0	0.1	0	0.1	0	3.1	0	3.1	2.6	0.2	0	2.8	0	2.6	0	2.6	2.6	6.0	0	0	0	8.6
TAIWAN	5.5	3.5	4.2	4.8	263.4	15.9	65.9	213.4	1123.2	30.1	561.9	591.4	1131.8	116.1	281.9	966.0	2523.9	165.6	913.9	-12.1	-194.1	1569.4
THAILAND	0	1.1	0	1.1	41.9	3.8	11.0	34.7	81.8	1.4	0.8	82.4	121.3	15.0	0	136.3	245.0	21.3	11.8	-0.1	-1.8	252.6
TOTAL A, A & O ABOVE	**174.4**	**73.6**	**22.5**	**225.5**	**627.6**	**235.2**	**77.0**	**785.8**	**2868.7**	**253.3**	**768.9**	**2353.1**	**2809.7**	**442.1**	**456.0**	**2795.8**	**6480.4**	**1004.2**	**1324.4**	**-14.5**	**-273.0**	**5872.7**
HUNGARY	0	9.9	0	9.9	15.4	16.9	1.8	30.5	18.1	13.8	1.0	30.9	38.4	7.4	0.2	45.6	71.9	48.0	3.0	+1.7	+3.6	122.2
POLAND	45.2	3.6	0.1	48.7	132.3	10.9	0.2	143.0	205.9	11.7	5.3	212.3	170.9	16.8	1.7	186.0	554.3	43.0	7.3	+0.3	+6.5	596.8

Explanation to this table can be found on page 14

NET-AVAILABLE SUPPLY

The 1985 by-country production, import, export and net-available or retained supply of four categories of man-made fiber are presented in millions of pounds on page 13 of this issue.

"Net-available Supply" is defined as production plus imports less exports plus the balance of trade in spun yarn. Sometimes this is also called **"apparent consumption"**.

Regarding the data in Table 9, acetate cigarette tow has been excluded, while imports and exports of tire cord and tire cord fabric have been included.

"Yarn" is defined to include tire cord and tire cord fabric, filament yarn and monofilaments.

"Staple" is defined to include tow, fiberfill, tops and advanced waste. Unprocessed waste is not included.

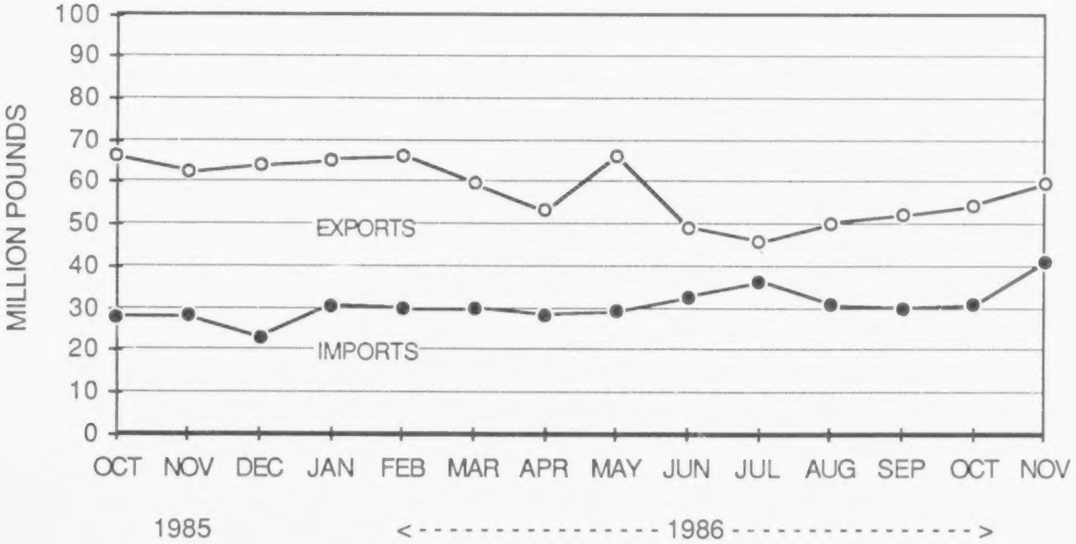
In a few cases, where a country's import or export data could not be accurately separated as either cellulosic or noncellulosic fiber, a division was estimated.

Except for spun yarns, the imports and exports of manufactured and semimanufactured man-made fiber products (e.g., fabric, dresses, hosiery, etc.) are not included in the data.

The spun yarn data are shown under the **"Total Man-Made Fiber"** columns in Table 9; space does not permit the presentation of the import and export data separately. These data may include some poundages of blending fibers other than man-made fibers.

A net import poundage is shown in the **"spun"** column as (+); in other words, an addition to a country's net-available supply, while conversely a net export, is (-). For example, the net 1985 cellulosic yarn figure for Japan is shown as -2.0, which consists of imports of 1.8 (+1.8) and exports of 3.8 (-3.8).

GRAPH 6:
IMPORTS VS. EXPORTS OF MAN-MADE FIBER



GRAPH 7:
MAN-MADE FIBER MONTHLY TRADE BALANCE

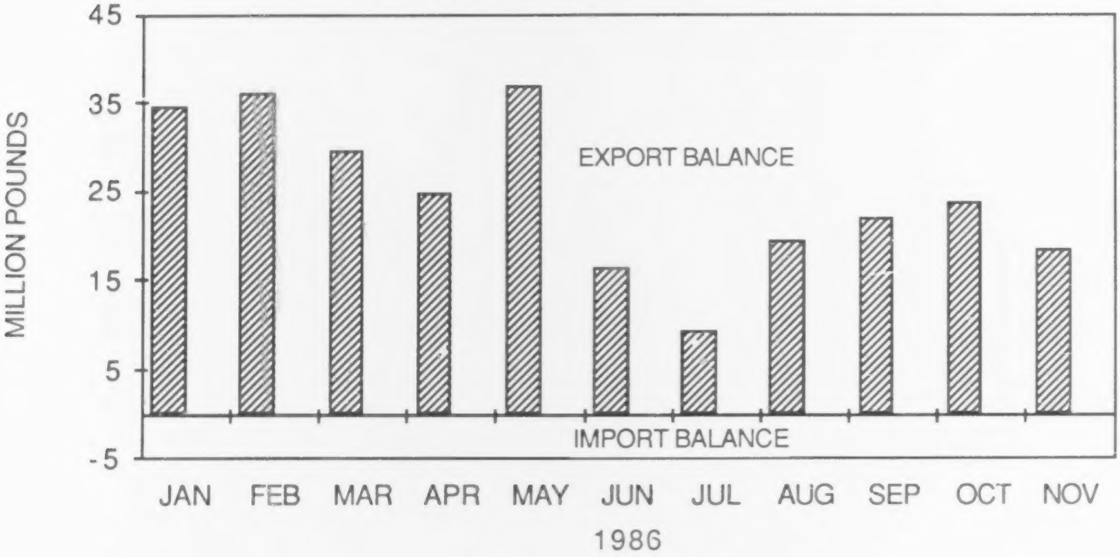


TABLE 10:
MAN-MADE FIBER MONTHLY TRADE BALANCE DETAIL
MILLION POUNDS

	CELLULOSIC YARN & MONOFIL			CELLULOSIC STAPLE+TOW			NONCELLULOSIC YARN & MONOFIL			NONCELLULOSIC STAPLE+TOW			CELLULOSIC WASTE			NONCELLULOSIC WASTE			TOTAL		
1986	IMP	EXP	BAL	IMP	EXP	BAL	IMP	EXP	BAL	IMP	EXP	BAL	IMP	EXP	BAL	IMP	EXP	BAL	IMP	EXP	BAL
JANUARY	1.4	0.5	0.9 I	1.6	2.4	0.8 E	8.3	28.8	20.5 E	16.1	25.2	9.1 E	+	0.1	0.1 E	3.4	8.6	5.2 E	30.8	65.6	34.8 E
FEBRUARY	1.3	0.5	0.8 I	1.1	2.6	1.5 E	8.8	24.1	15.3 E	14.9	27.0	12.1 E	0	0.2	0.2 E	3.9	11.9	8.0 E	30.0	66.3	36.3 E
MARCH	1.4	0.7	0.7 I	1.5	5.5	4.0 E	8.8	23.2	14.4 E	15.1	20.7	5.6 E	+	0.2	0.2 E	3.4	9.5	6.1 E	30.2	59.8	29.6 E
APRIL	1.6	0.7	0.9 I	1.4	1.0	0.4 I	7.3	20.9	13.6 E	14.6	18.6	4.0 E	+	0.3	0.3 E	3.5	11.8	8.3 E	28.4	53.3	24.9 E
MAY	0.9	0.8	0.1 I	1.2	2.6	1.4 E	9.9	29.9	20.0 E	14.1	22.7	8.6 E	+	0.1	0.1 E	3.3	10.3	7.0 E	29.4	66.4	37.0 E
JUNE	1.3	0.6	0.7 I	1.3	1.7	0.4 E	12.3	19.4	7.1 E	14.2	18.2	4.0 E	0.1	0.2	0.1 E	3.7	9.4	5.7 E	32.9	49.5	16.6 E
JULY	1.2	0.5	0.7 I	1.7	3.2	1.5 E	13.0	19.4	6.4 E	16.6	17.8	1.2 E	0	0.1	0.1 E	3.9	4.8	0.9 E	36.4	45.8	9.4 E
AUGUST	1.2	0.4	0.8 I	1.5	3.1	1.6 E	11.2	17.8	6.6 E	14.7	18.3	3.6 E	0	0.3	0.3 E	2.3	10.6	8.3 E	30.9	50.5	19.6 E
SEPTEMBER	1.2	0.8	0.4 I	1.8	1.6	0.2 I	9.4	17.7	8.3 E	14.6	21.1	6.5 E	+	0.1	0.1 E	3.3	11.1	7.8 E	30.3	52.4	22.1 E
OCTOBER	1.3	0.7	0.6 I	1.7	3.3	1.6 E	11.6	16.1	4.5 E	13.8	23.6	9.8 E	+	0.4	0.4 E	2.5	10.7	8.2 E	30.9	54.8	23.9 E
NOVEMBER	1.7	0.5	1.2 I	1.8	3.8	2.0 E	14.3	17.8	3.5 E	19.6	23.2	3.6 E	0	0.2	0.2 E	4.1	14.5	10.4 E	41.5	60.0	18.5 E
DECEMBER																					
TOTAL	14.5	6.7	7.8 I	16.6	30.8	14.2 E	114.9	235.1	120.2 E	168.3	236.4	68.1 E	0.1	2.2	2.1 E	37.3	113.2	75.9 E	351.7	624.4	272.7 E

SOURCES: The fiber import and export data are from the U.S. Bureau of the Census (Reports IM145X and EM546).

E means net export balance.

I means net import balance.

TABLE 11:
U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/78	1986												YEAR TO DATE	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1986	1985
CELLULOSIC FIBERS															
YARN - SINGLES															
TEXTURED	310.0106 & .0206	28	30	29	0	123	31	155	44	41	1	36		518	190
OTHER	310.0130 & .0230[a]	1309	1180	1318	1488	628	1160	1037	1188	1091	1338	1603		13340	11788
MONOFILAMENTS	309.0310 & .0610	0	5	6	0	4	0	0	0	0	5	0		20	19
STRIPS, $1/LB & UNDER	309.2000*	38	87	89	126	129	117	41	7	83	0	39		756	721
SUBTOTAL ABOVE		**1375**	**1302**	**1442**	**1614**	**884**	**1308**	**1233**	**1239**	**1215**	**1344**	**1678**		**14634**	**12718**
STAPLE	309.4320 & .4325	1465	1056	1396	1298	1121	1183	1524	1471	1654	1627	1785		15580	10294
GROUPED FILAMENTS	309.3010 & .3310	140	39	130	86	77	155	174	1	89	25	0		916	972
SUBTOTAL ABOVE		**1605**	**1095**	**1526**	**1384**	**1198**	**1338**	**1698**	**1472**	**1743**	**1652**	**1785**		**16496**	**11266**
WASTE, ADVANCED&NOT ADVANCED	**309.6615 & .7510**	**+**	**0**	**+**	**33**	**+**	**43**	**0**	**0**	**6**	**39**	**0**		**121**	**399**
NONCELLULOSIC FIBERS															
YARN - SINGLES															
TEXTURED - NYLON															
LESS THAN 450	310.0107 & .0207	150	195	203	139	548	252	213	296	258	156	154		2564	31225
MORE THAN 450	310.0108 & .0208	1809	1217	1092	918	2313	5096	4606	3308	3302	3994	3972		31627	
- POLYESTER	310.0110 & .0210	748	1376	1165	1209	1039	380	1210	788	1148	1200	1938		12201	15552
- OTHER	310.0114 & .0214	1640	2607	1276	1088	1059	1829	1997	1193	945	1948	2907		18489	12680
OTHER - NYLON	310.0149 & .0249	1236	1498	1935	1321	1650	1752	2274	2395	2251	1822	2522		20656	17291
- POLYESTER	310.0150 & .0250	1898	1331	2390	1911	2512	2269	1885	2572	910	1516	1736		20930	15259
- OTHER	310.0170 & .0270[b]	483	225	438	400	403	409	395	365	397	514	651		4680	2056
MONOFILAMENTS	309.0200 & .0330[c]	275	256	267	218	196	202	206	145	146	222	349		2482	1907
STRIPS, OVER $1/LB	309.2100 & .2500*	108	127	62	164	142	117	221	120	81	171	94		1407	1082
SUBTOTAL ABOVE		**8347**	**8832**	**8828**	**7368**	**9862**	**12306**	**13007**	**11182**	**9438**	**11543**	**14323**		**115036**	**97052**
STAPLE - NYLON	309.4330 & .4350	3716	4331	3835	4107	3294	3188	5098	4420	5346	4260	6206		47801	36939
- POLYESTER	309.4335 & .4360	2725	3058	3474	2831	2760	3278	3206	3099	2359	3320	5910		36020	24412
- ACRYLIC	309.4365	1473	822	887	1202	1542	1262	2407	1416	1511	1513	2259		16294	16186
- OLEFIN	309.4370	623	222	149	28	107	194	205	86	88	0	126		1828	5361
- OTHER	309.4340 & .4380	2666	1949	1613	1881	1478	820	1137	711	222	618	771		13866	23626
GROUPED FILAMENTS															
NYLON	309.3030 & .3200	3381	3504	3164	3153	3258	3555	3174	3266	3667	2698	2806		35626	27601
POLYESTER	309.3040 & .3340	147	150	204	84	197	108	223	165	122	259	270		1929	4602
ACRYLIC	309.3050 & .3350	972	670	1616	1048	1138	1393	1023	1359	1132	951	1131		12433	6648
OTHER	309.3065 & .3365	341	203	141	285	364	380	102	154	123	180	136		2409	2974
SUBTOTAL ABOVE		**16044**	**14909**	**15083**	**14619**	**14138**	**14178**	**16575**	**14676**	**14570**	**13799**	**19615**		**168206**	**148349**
WASTE, NOT ADVANCED															
- NYLON	309.6625	1605	2239	2315	1439	1492	2304	2034	1274	1946	1439	2272		20359	26093
- POLYESTER	309.6630	560	403	465	827	511	434	733	402	408	382	767		5892	6655
- ACRYLIC	309.6645	0	0	6	0	19	0	188	36	40	0	39		328	283
- OTHER	309.6660	892	813	256	748	922	692	738	489	835	667	882		7934	1889
NOILS & GARNETTED FIBERS	309.6000 & .7000*	+	59	0	0	62	0	0	0	0	0	43		164	155
OTHER WASTE, ADVANCED	309.7525 - .7555	324	357	372	456	253	246	261	128	85	39	105		2626	3418
SUBTOTAL ABOVE		**3381**	**3871**	**3414**	**3470**	**3259**	**3676**	**3954**	**2329**	**3314**	**2527**	**4108**		**37303**	**38493**
TOTAL MAN-MADE ABOVE		**30752**	**30009**	**30293**	**28488**	**29341**	**32849**	**36467**	**30898**	**30286**	**30904**	**41509**		**351796**	**308277**
OTHER MAN-MADE FIBER TOPS, YARN & THREAD															
YARN - PLIED															
TEXTURED - CELLULOSIC	310.1506	0	0	+	0	+	+	0	1	+	+	0		1	1
- NONCELLULOSIC	310.1015[d] & .1205[e]	1743	1666	1034	1666	1137	770	519	372	310	473	277		9967	8704
OTHER - CELLULOSIC	310.1030 & .1535[f]	83	108	41	13	20	49	56	12	7	15	49		453	389
- NONCELLULOSIC	310.1050 & .1070[g]	496	261	113	248	321	722	385	505	268	354	562		4235	3919
SPUN YARN - CELLULOSIC	310.4005 & .4030[h]	227	105	155	182	232	282	361	221	343	90	52		2250	1658
- OTHER	310.4015 & .4027[i]	2619	3160	3542	3597	3591	4132	5686	4284	3364	2678	4821		41474	31988
OTHER YARNS - NES, INCL. CHENILLE	310.6029 - .8000	225	385	830	1278	1957	1713	2388	2165	1356	1431	1527		15255	8340
HANDWORK YARNS & SEWING THREAD	310.9000 - .9140[j]	284	491	478	387	411	495	369	369	406	341	315		4346	8426
SLIVER, TOPS & ROVING	309.9000	282	239	493	226	240	271	255	306	327	207	214		3060	1850
TEXTILE GLASS FIBER	309.2800 & .2900[k]	2142	3090	2643	2221	1883	1891	2025	1328	1014	1572	2491		22300	30374
GRAND TOTAL ABOVE		**38853**	**39514**	**39622**	**38306**	**39133**	**43174**	**48511**	**40461**	**37681**	**38065**	**51817**		**455137**	**403926**

SOURCE: U.S. Census Bureau Report IM145X.

NES - Not elsewhere specified.

+ Means a nominal poundage.

* These items are not reported by the Census as cellulosic vs. noncellulosic. Any separation between cellulosic and noncellulosic is estimated, based mainly on average declared value.

a. Also includes 310.0510 & .0610.

b. Also includes 310.0530, .0550, .0630 & .0650.

c. Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.

d. There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

e. Also includes 310.1210, .1510 & .1514.

f. Also includes 310.2110.

g. Also includes 310.1550, .1555, .1570, .2030, .2050, .2130, .2150.

h. Also includes 310.5030.

i. Also includes 310.4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051.

j. Also includes 310.9300 & .9500.

k. Chiefly roving. Also includes 309.9800 & .9900.

TABLE 12:
U.S. EXPORTS OF MAN-MADE FIBERS

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/78	1986												YEAR TO DATE	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1986	1985
CELLULOSIC FIBERS															
FILAMENT YARN [a]															
TEXTURED	310.0006	0	3	5	22	3	4	30	+	18	+	8		93	90
OTHER [b]	310.0026	483	499	712	729	742	573	532	435	632	697	453		6487	8441
MONOFILAMENTS	309.0110	18	3	22	8	1	0	12	0	156	2	1		223	79
STRIPS	309.2210	0	0	1	1	12	0	0	0	0	0	0		14	37
SUBTOTAL ABOVE		**501**	**505**	**740**	**760**	**758**	**577**	**574**	**435**	**806**	**699**	**462**		**6817**	**8647**
STAPLE+TOW-RAYON	309.4222	2262	2482	5331	790	2402	1665	3084	2893	1446	3135	3654		29144	34132
STAPLE-ACETATE	309.4219	175	102	162	223	208	64	77	141	135	131	143		1561	1540
SUBTOTAL ABOVE		**2437**	**2584**	**5493**	**1013**	**2610**	**1729**	**3161**	**3034**	**1581**	**3266**	**3797**		**30705**	**35672**
WASTE, ADVANCED&NOT ADVANCED	309.7400	**68**	**233**	**157**	**303**	**126**	**171**	**95**	**309**	**69**	**405**	**151**		**2087**	**1121**
NONCELLULOSIC FIBERS															
YARN - SINGLES															
NYLON - TEXTURED	310.0008 & .0009	1373	2025	2135	1843	2066	2230	2097	2397	2245	1952	1917		22280	25051
- HIGH TENACITY [c]	310.0027	5757	6837	5805	5895	5786	5273	7012	6434	6489	6493	6988		68769	64769
- OTHER	310.0029	638	1276	1238	867	425	849	731	753	1212	761	998		9748	8557
POLYESTER - TEXTURED	310.0010	7485	8451	9794	5928	15265	4250	4940	2921	2756	2366	2527		66683	122104
- HIGH TENACITY [c]	310.0032	1952	1435	1252	2765	2717	2942	1361	1355	1262	1337	1686		20064	29599
- OTHER [d]	310.0034	735	128	90	189	151	341	60	203	202	134	94		2327	8281
OTHER - TEXTURED	310.0014	8990	916	1023	1116	906	1433	1067	1586	1281	1097	780		20195	8676
- OLEFIN	310.0040	67	951	84	119	87	45	25	72	61	48	113		1672	481
- OTHER	310.0044	212	600	479	524	742	400	697	394	709	455	603		5815	7257
MONOFILAMENTS, ALL DENIERS															
NYLON	309.0120	376	287	312	533	437	561	332	258	479	310	920		4805	2256
POLYESTER [e]	309.0140	663	503	340	535	589	432	405	453	464	595	394		5373	5368
OTHER	309.0170	283	450	537	418	373	292	249	436	335	355	471		4199	11419
STRIPS	309.2220 & .2270	320	283	194	211	362	379	479	499	243	187	332		3489	3972
SUBTOTAL ABOVE		**28851**	**24142**	**23283**	**20943**	**29906**	**19427**	**19455**	**17761**	**17738**	**16090**	**17823**		**235419**	**297790**
STAPLE - NYLON	309.4240	1111	1230	1074	1054	1348	1272	858	801	1383	1575	1998		13704	10379
- POLYESTER [d]	309.4242	8164	8395	6714	6651	9885	8676	9271	7998	7994	10846	12157		96751	169236
- ACRYLIC	309.4245	8607	7909	4248	4524	5220	3756	2981	4175	4515	4093	2349		52377	137524
- OLEFIN	309.4246	1844	1327	1269	1105	437	623	1018	1039	1242	2264	1635		13803	6493
- OTHER	309.4247	1124	2228	1796	1208	1324	1154	1351	813	1391	1622	2083		16094	10086
GROUPED FILAMENTS															
NYLON	309.3220	238	350	176	336	1987	226	204	356	291	206	685		5055	1755
POLYESTER	309.3240	1997	2797	1950	1832	280	1339	1281	1135	2840	1552	1274		18277	27554
ACRYLIC	309.3250 & .3255	2090	2775	3435	1893	2280	1117	815	1925	1467	1487	1066		20350	27860
SUBTOTAL ABOVE		**25175**	**27011**	**20662**	**18603**	**22761**	**18163**	**17779**	**18242**	**21123**	**23645**	**23247**		**236411**	**390887**
WASTE, ADVANCED&NOT ADVANCED															
- NYLON	309.7620	299	806	408	628	785	387	525	1036	1265	999	1323		8461	4927
- POLYESTER	309.7630	3848	5678	4934	7109	5390	4966	2224	5372	6118	3961	4811		54411	41008
- ACRYLIC	309.7640	569	624	1080	228	399	824	322	363	118	662	910		6099	4463
- OTHER	309.7660	3831	4801	3139	3779	3701	3241	1752	3903	3598	5063	7443		44251	15639
SUBTOTAL ABOVE		**8547**	**11909**	**9561**	**11744**	**10275**	**9418**	**4823**	**10674**	**11099**	**10685**	**14487**		**113222**	**66037**
TOTAL MAN-MADE ABOVE		**65579**	**66384**	**59896**	**53366**	**66436**	**49485**	**45887**	**50455**	**52416**	**54790**	**59967**		**624661**	**800154**
TEXTILE GLASS FIBER	309.2700 & .9700	4355	4551	5042	4580	5008	4536	5148	5639	5973	5774	5336		55942	52159
GRAND TOTAL ABOVE		**69934**	**70935**	**64938**	**57946**	**71444**	**54021**	**51035**	**56094**	**58389**	**60564**	**65303**		**680603**	**852313**

SOURCE: U.S. Census Bureau Report EM522.

a. Includes thrown, singles and plied yarn.

b. Includes an undetermined amount of rayon tire cord and cord fabric.

c. Includes an undetermined amount of noncellulosic tire cord and cord fabric.

d. Includes zero twist yarns.

e. These data are obviously incorrect because of misclassification. Most of these poundages should be included with filament yarn.

TABLE 13:
SELECTED U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION BY COUNTRY OF ORIGIN

THOUSAND POUNDS

ITEMS & COUNTRY	1986												YEAR TO DATE	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1986	1985
CELLULOSIC YARN, MONOFIL & STRIPS														
BRAZIL	82	56	0	53	0	0	0	0	58	0	29		278	673
CANADA	200	420	226	302	698	431	465	443	516	408	420		4529	2328
GERMANY, FED. REP. OF	482	284	783	594	22	494	489	402	280	474	488		4792	5222
JAPAN	95	41	50	25	35	26	32	0	0	17	64		385	545
MEXICO	81	114	0	62	0	0	63	40	109	118	118		705	1189
NETHERLANDS	195	181	167	233	34	179	124	268	175	325	519		2400	1289
REP. OF KOREA	80	60	80	80	0	60	20	20	0	0	1		401	621
ALL OTHER COUNTRIES[a]	160	146	136	265	95	118	40	66	77	2	39		1144	851
TOTAL CELLULOSIC YARN	**1375**	**1302**	**1442**	**1614**	**884**	**1308**	**1233**	**1239**	**1215**	**1344**	**1678**		**14634**	**12718**
CELLULOSIC STAPLE+TOW														
AUSTRIA	259	0	217	126	138	150	102	49	0	0	0		1041	654
CANADA	777	981	724	948	764	620	1221	1333	1536	1398	1589		11891	6356
JAPAN	143	75	128	108	108	89	63	45	75	113	+		947	573
MEXICO	310	0	109	123	41	142	82	0	0	0	0		807	259
UNITED KINGDOM	105	39	80	69	42	40	114	4	132	+	1		626	1165
ALL OTHER COUNTRIES[b]	11	0	268	10	105	297	116	41	0	141	195		1184	2259
TOTAL CELLULOSIC STAPLE+TOW	**1605**	**1095**	**1526**	**1384**	**1198**	**1338**	**1698**	**1472**	**1743**	**1652**	**1785**		**16496**	**11266**
NONCELLULOSIC YARN, MONOFIL & STRIPS														
AUSTRALIA	0	16	31	2	8	18	7	17	11	138	22		270	1091
AUSTRIA	113	7	115	4	150	47	135	48	+	76	89		784	829
BELGIUM	1152	1901	531	297	449	1550	1024	1087	753	1798	2048		12590	6259
BRAZIL	1	56	0	0	6	0	0	0	0	0	0		63	233
CANADA	1282	338	857	1384	1239	1598	1793	1388	1551	1690	2289		15409	14831
COSTA RICA	480	430	349	608	736	647	468	751	393	640	563		6065	338
FRANCE	405	689	679	249	493	456	889	787	1187	612	928		7374	4417
GERMANY, FED. REP. OF	1195	1199	1397	774	1915	4022	2735	1900	1149	1286	2745		20317	15620
ISRAEL	413	277	316	226	179	239	487	264	197	56	358		3012	2370
ITALY	790	529	1158	895	1083	1331	1598	880	950	1384	1066		11664	12495
JAPAN	646	553	1019	693	895	758	807	719	151	503	777		7521	6220
MEXICO	128	917	1223	931	928	431	1366	1794	1394	1712	2072		12896	7765
NETHERLANDS	74	213	29	6	255	249	47	165	68	129	48		1283	900
SOUTH AFRICA	853	866	532	631	565	143	322	186	229	386	263		4976	10809
SWITZERLAND	74	74	1	2	224	59	1	2	1	4	12		454	2437
TAIWAN	36	39	47	144	111	32	205	131	74	13	46		878	329
UNITED KINGDOM	573	510	352	307	454	581	754	866	868	747	855		6867	6009
YUGOSLAVIA	85	0	0	0	0	0	0	0	0	0	0		85	2787
ALL OTHER COUNTRIES[c]	47	218	192	215	172	145	369	197	462	369	142		2528	1313
TOTAL NONCELLULOSIC YARN	**8347**	**8832**	**8828**	**7368**	**9862**	**12306**	**13007**	**11182**	**9438**	**11543**	**14323**		**115036**	**97052**
NONCELLULOSIC STAPLE+TOW														
BELGIUM	25	18	57	39	85	41	18	21	75	46	43		468	484
BRAZIL	35	60	22	0	0	161	179	86	65	0	0		608	3249
CANADA	2650	1831	1430	1882	1977	1812	1464	1651	2073	2490	3269		22529	22933
COSTA RICA	31	44	0	0	0	0	0	0	0	0	0		75	2564
FRANCE	996	984	984	761	888	782	819	699	954	564	964		9395	9140
GERMANY, FED. REP. OF	3105	2727	2552	2994	3005	2524	2194	2490	1780	1806	2765		27942	28032
ISRAEL	42	81	48	80	28	44	25	0	13	88	15		464	1135
ITALY	1237	1748	1504	1525	721	1345	2619	2572	2622	2422	1823		20138	15472
JAPAN	1919	1523	2265	1431	1515	2286	2381	2092	1578	1687	2416		21093	21544
MEXICO	1025	1105	1011	1249	1599	832	1973	1458	1119	1496	1335		14202	7237
NETHERLANDS	20	0	+	43	0	0	29	101	0	0	1		194	376
REP. OF KOREA	492	355	551	88	343	650	431	490	287	327	704		4718	3996
ROMANIA	210	88	158	0	438	0	456	119	294	86	664		2513	1013
SOUTH AFRICA	80	88	0	25	53	53	49	0	98	19	102		567	592
SWITZERLAND	137	0	23	48	88	96	84	75	73	20	73		717	403
TAIWAN	2105	1587	2111	1961	1272	1380	2039	1532	895	1062	2597		18541	16085
UNITED KINGDOM	1819	2340	2151	2271	1800	2008	1659	1105	2343	1273	2022		20791	12564
ALL OTHER COUNTRIES[d]	116	330	216	222	326	164	156	185	301	413	822		3251	1530
TOTAL NONCELLULOSIC STAPLE+TOW	**16044**	**14909**	**15083**	**14619**	**14138**	**14178**	**16575**	**14676**	**14570**	**13799**	**19615**		**168206**	**148349**

+ Means a nominal poundage.

Other countries supplying 1986 poundages are:

a. Australia 18, Austria 30, Belgium 243, China, PRC 3, France 48, Ireland 427, Israel 45, Italy 11, Taiwan 100, Thailand 17, United Kingdom 108, Yugoslavia 94.

b. Belgium 3, Finland 77, France 11, Germany, Federal Rep. of 96, Hong Kong 6, Israel +, Italy 455, Sweden 491, Taiwan 45.

c. Argentina 69, Chile 88, China, PRC 60, Colombia 255, Denmark 183, Dominican Rep. +, Egypt +, Greece 2, Hong Kong +, Hungary 48, Iceland 16, India +, Iran 1, Ireland 447, Korea, Rep. of 288, Norway 2, Philippines +, Romania 616, Singapore 139, Somalia 5, Spain 1, Sweden 167, Turkey 51.

d. Australia 1049, Austria 390, China, PRC 117, Denmark 140, Finland 18, Greece 12, Haiti 14, Hong Kong 65, Ireland 498, Kenya 31, Malaysia 191, Philippines 1, Spain 115, Sweden 148, Thailand 138, Turkey 84, Yugoslavia 240.

TABLE 14:
SELECTED U.S. MONTHLY TEXTILE FIBER DATA

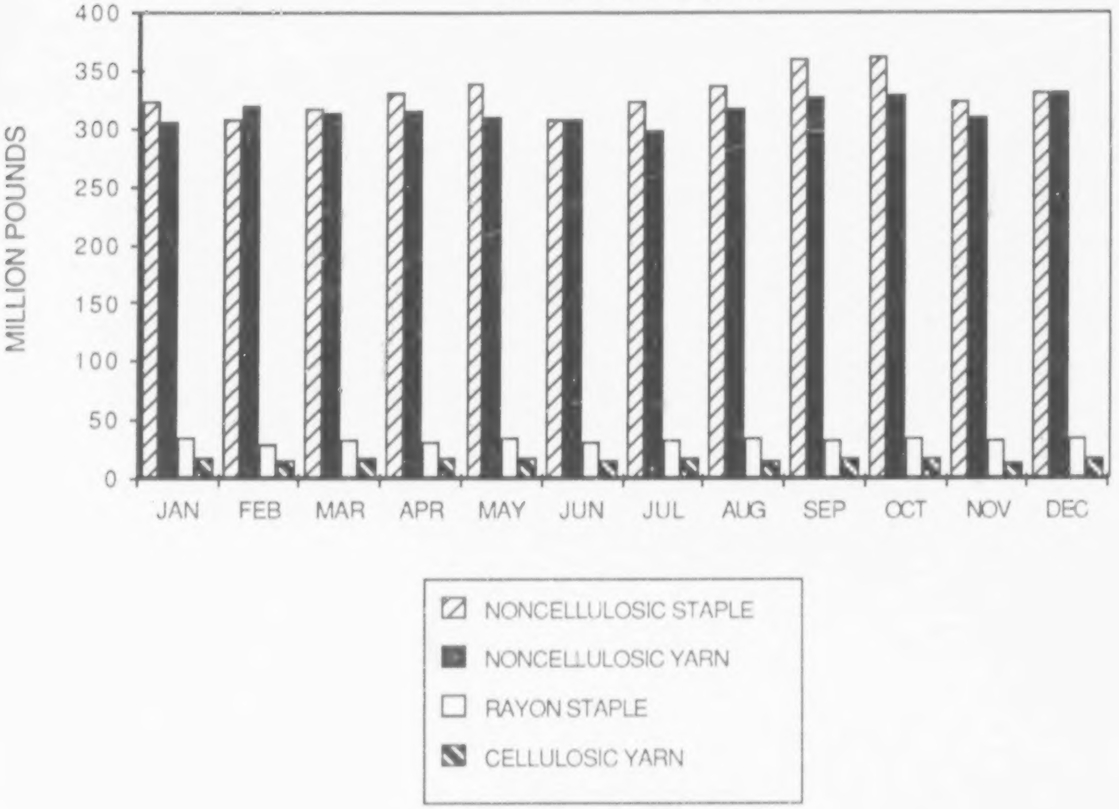
MILLION POUNDS

ITEM	1986 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE[a] 1986	1985
	TOTAL SHIPMENTS[b]													
MAN-MADE FIBER DATA[c]														
YARN+MONOFILAMENTS														
CELLULOSIC YARN	**17.8**	**17.2**	**18.3**	**19.4**	**18.9**	**17.2**	**17.7**	**17.3**	**17.6**	**17.5**	**15.2**	**18.2**	**212.3**	**210.1**
NYLON[d] - INDUSTRIAL[e]	26.3	29.5	28.8	29.1	27.6	26.7	23.3	27.3	25.7	31.1	27.1	30.9	333.4	345.1
- CARPET	69.6	71.1	71.1	75.7	71.2	74.8	76.8	78.6	83.9	77.6	73.2	68.1	891.7	835.4
- TEXTILE[g]	30.9	31.1	31.7	32.1	30.6	29.1	29.0	28.0	30.2	30.0	29.3	28.4	360.4	355.3
POLYESTER - INDUSTRIAL[e]	28.2	25.6	27.9	26.7	24.4	24.6	24.6	24.7	25.5	27.8	25.2	26.8	312.0	292.1
- TEXTILE[g]	77.1	78.0	69.8	68.[illegible]	72.0	60.7	68.5	71.5	72.3	74.1	70.5	72.4	855.8	1020.4
OLEFIN[f]	75.1	84.2	84.4	83.9	85.0	92.4	76.9	88.9	94.6	89.7	85.5	105.9	1046.5	951.1
TOTAL NONCELLULOSIC ABOVE	307.2	319.5	313.7	315.6	311.4	308.3	299.1	319.0	332.2	330.3	310.8	332.5	3799.8	3799.4
STAPLE +TOW+FIBERFILL														
RAYON	**34.9**	**30.0**	**33.0**	**32.7**	**34.9**	**31.3**	**34.2**	**34.9**	**33.3**	**35.6**	**33.6**	**35.4**	**403.8**	**358.7**
NYLON[d]	70.7	64.1	64.3	67.1	71.9	67.1	79.3	86.6	91.4	91.4	77.6	76.7	908.2	843.6
ACRYLIC+MODACRYLIC	50.2	47.8	52.2	55.7	55.4	51.8	50.0	50.7	55.8	53.7	44.6	46.2	614.1	643.8
POLYESTER	179.9	171.2	173.7	180.8	183.9	160.2	166.2	174.0	187.7	188.5	173.5	183.7	2123.3	2038.6
OLEFIN+VINYON	24.0	25.4	28.7	28.2	29.3	29.9	27.8	27.3	26.1	29.8	27.9	26.1	330.5	288.2
TOTAL NONCELLULOSIC ABOVE	324.8	308.5	318.9	331.8	340.5	309.0	323.3	338.6	361.0	363.4	323.6	332.7	3976.1	3814.2
	END-OF-MONTH STOCK													
YARN+MONOFILAMENTS														
CELLULOSIC YARN	**13.3**	**12.2**	**13.3**	**12.1**	**12.2**	**12.5**	**13.3**	**13.3**	**14.0**	**14.7**	**14.8**	**14.8**	**14.8**	**12.3**
NYLON[d] - INDUSTRIAL[e]	23.8	25.6	24.1	26.1	27.2	25.4	30.3	33.6	30.5	30.4	28.8	30.8	30.8	25.5
- CARPET	55.4	51.8	56.2	52.5	59.0	56.8	55.4	51.0	46.4	42.2	42.0	53.0	53.0	46.4
- TEXTILE[g]	49.0	46.1	46.2	44.7	45.8	43.9	44.6	44.9	44.7	45.6	44.6	47.5	47.5	47.8
POLYESTER - INDUSTRIAL[e]	25.1	26.1	26.9	27.2	28.9	31.5	32.0	32.9	34.5	29.8	29.2	29.4	29.4	24.2
- TEXTILE[g]	84.7	90.3	96.6	96.5	91.9	86.2	82.8	83.9	80.7	82.6	83.8	81.5	81.5	83.7
OLEFIN[f]	66.7	69.4	67.1	69.5	66.4	61.5	64.7	63.4	60.6	60.3	61.4	63.1	63.1	64.9
TOTAL NONCELLULOSIC ABOVE	304.7	309.3	317.1	316.5	319.2	305.3	309.8	309.7	297.4	290.9	289.8	305.3	305.3	292.5
STAPLE+TOW+FIBERFILL														
RAYON	**20.7**	**21.1**	**19.7**	**20.1**	**18.4**	**20.5**	**20.5**	**19.5**	**21.5**	**23.0**	**22.8**	**22.4**	**22.4**	**22.5**
NYLON[d]	63.0	70.4	84.1	89.1	88.0	85.4	78.7	68.4	64.2	62.7	54.9	62.8	62.8	62.7
ACRYLIC+MODACRYLIC	66.1	66.3	63.2	56.8	53.4	51.4	54.9	56.9	52.9	52.1	57.3	66.2	66.2	64.4
POLYESTER	147.9	147.3	151.0	148.6	150.4	164.8	170.8	162.4	159.0	150.4	148.7	163.9	163.9	155.0
OLEFIN+VINYON	33.3	33.7	34.0	31.7	29.7	28.9	30.4	30.6	32.4	29.8	31.1	33.5	33.5	29.7
TOTAL NONCELLULOSIC ABOVE	310.3	317.7	332.3	326.2	321.5	330.5	334.8	318.3	308.5	295.0	292.0	326.4	326.4	311.8
WOOL & COTTON CONSUMPTION														
APPAREL CLASS WOOL	12.6	13.2	13.1	13.2	13.3	14.7	11.5	12.2	13.0	11.8			128.6	104.7
CARPET CLASS WOOL	1.0	0.8	0.9	0.8	0.7	0.7	0.7	1.1	1.0	0.9			8.6	10.7
TOTAL RAW WOOL	13.6	14.0	14.0	14.0	14.0	15.4	12.2	13.3	14.0	12.7			137.2	115.4
RAW COTTON	269.5	263.3	265.0	265.2	265.6	280.0	222.9	282.0	289.0	293.2			2695.7	2336.1

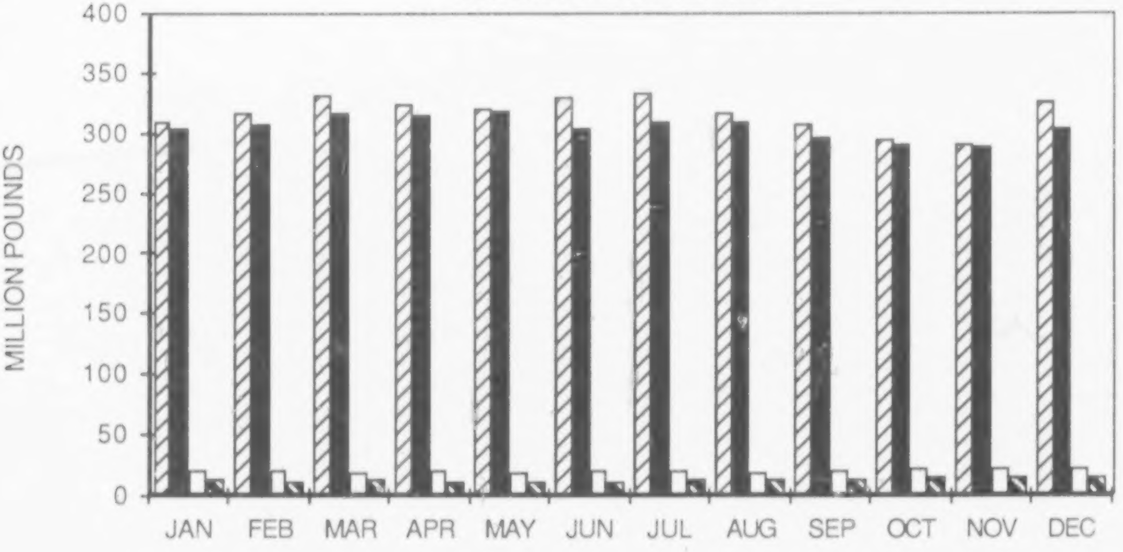
a. "Year-to-date" totals for stock, are the latest month's figures.
b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.
c. Producers' total domestic plus export shipments.
d. Data for nylon exclude aramid.
e. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.
f. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.
g. Low denier industrial Nylon and Polyester volumes are now included with Textile.

GRAPH 8:
SELECTED U.S. MONTHLY TEXTILE FIBER DATA

1986 TOTAL SHIPMENTS



1986 END-OF-MONTH STOCK



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TEXTILE ORGANON

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MONTHLY REVIEW

Highlights

U.S. Exports of Man-Made Fiber fell by 21.0% to 683.5 million pounds in 1986...see page 26.

U.S. Imports of Man-Made Fiber increased by 15.8% to 383.7 million pounds in 1986...see page 27.

1986 Production of Noncellulosic Yarn+Monofilaments totals 3823.7 million pounds...see page 34.

1986 Production of Noncellulosic Staple+Tow totals 3991.5 million pounds... see page 35.

***Textile Organon** Features:*

1986 Import/Export Review... begins on page 24.

In January, shipments of noncellulosic yarn+monofilaments totaled 318.8 million pounds, a 4.1% decline over December shipments of 332.5 million pounds.

- ***Nylon carpet yarn*** shipments rose over 10.0% to 75.1 million pounds.
- ***Nylon textile yarn*** shipments increased by 7.4% to 30.5 million pounds.
- ***Polyester textile yarn*** shipments fell by almost 13.0% to 63.3 million pounds.

In January, noncellulosic staple+tow shipments reached 345.5 million pounds, a 3.8% increase over the 332.7 million pounds shipped in December.

- ***Nylon staple*** shipments rose by 9.6% to 84.1 million pounds.
- ***Acrylic staple+tow*** shipments increased by 6.5% to 49.2 million pounds.

TABLE 1:
TOTAL MAN-MADE FIBER SHIPMENTS

MILLION POUNDS & *PERCENT CHANGE*

ITEM	1987	1986		1986		YEAR TO DATE		
	JAN	DEC	%[a]	JAN	%[b]	1987	1986	%[c]
YARN+MONOFILAMENTS								
CELLULOSIC YARN	**14.6**	**18.2**	***-19.8***	**17.8**	***-18.0***	**14.6**	**17.8**	***-18.0***
NYLON[d] - INDUSTRIAL	31.0	30.9	*+0.3*	26.3	*+17.9*	31.0	26.3	*+17.9*
- CARPET	75.1	68.1	*+10.3*	69.6	*+7.9*	75.1	69.6	*+7.9*
- TEXTILE[e]	30.5	28.4	*+7.4*	30.9	*-1.3*	30.5	30.9	*-1.3*
POLYESTER - INDUSTRIAL	26.6	26.8	*-0.7*	28.2	*-5.7*	26.6	28.2	*-5.7*
- TEXTILE[e]	63.3	72.4	*-12.6*	77.1	*-17.9*	63.3	77.1	*-17.9*
OLEFIN	92.3	105.9	*-12.8*	75.1	*+22.9*	92.3	75.1	*+22.9*
TOTAL NONCELLULOSIC ABOVE	**318.8**	**332.5**	***-4.1***	**307.2**	***+3.8***	**318.8**	**307.2**	***+3.8***
STAPLE+TOW+FIBERFILL								
RAYON	**34.1**	**35.4**	***-3.7***	**34.9**	***-2.3***	**34.1**	**34.9**	***-2.3***
NYLON[d]	84.1	76.7	*+9.6*	70.7	*+19.0*	84.1	70.7	*+19.0*
ACRYLIC+MODACRYLIC	49.2	46.2	*+6.5*	50.2	*-2.0*	49.2	50.2	*-2.0*
POLYESTER	184.0	183.7	*+0.2*	179.9	*+2.3*	184.0	179.9	*+2.3*
OLEFIN+VINYON[f]	28.2	26.1	*+8.0*	24.0	*+17.5*	28.2	24.0	*+17.5*
TOTAL NONCELLULOSIC ABOVE	**345.5**	**332.7**	***+3.8***	**324.8**	***+6.4***	**345.5**	**324.8**	***+6.4***

a. Percent change from previous month to current month.
b. Percent change to current month from same month last year.
c. Percent change from cumulative total last year to cumulative total this year.
d. Nylon excludes Aramid.
e. Low denier industrial nylon andpolyester is included with Textile.
f. 1987 data excludes Vinyon.

Textile Organon

A Monthly Review

FEBRUARY 1987

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1986 U.S. MAN-MADE FIBER PRODUCTION INCREASED BY 3.3%

In 1986, U.S. production of noncellulosic yarn and staple+tow increased to 7815.2 million pounds, 3.3% higher than the 7563.5 million pounds in 1985. Compared to the 3790.2 million pounds produced in 1985, noncellulosic yarn production for 1986 rose modestly to 3823.7 million pounds. At 3991.5 million pounds in1986, noncellulosic staple+tow production for 1986 was up nearly 6%.

Both nylon and olefin yarn production increased in 1986, while polyester yarn production fell sharply.

- Nylon yarn production rose 6.0% to 1606.3 million pounds based on the strong demand in the carpet market for bulked continuous filament yarn.
- Olefin yarn production increased over 9% to 1044.7 million pounds, as demand for carpet face yarn and backing grew considerably.
- Polyester yarn production fell over 11% to 1172.7 million pounds due to the sharp decline in demand for textile yarn.

In 1986, olefin+vinyon, nylon and polyester staple+tow production rose, while production of acrylic+modacrylic staple+tow fell.

- Olefin+vinyon staple+tow production rose 13.7% to 335.1 million pounds, reflecting the strong demand for carpet staple fibers.
- Nylon staple+tow production increased 9.7% to 908.3 million pounds based on the growing demand for carpet staple fibers.
- At 2132.2 million pounds, polyester staple+tow production rose 5.5% from last year's total of 2020.1 million pounds, reflecting the strong performance of fine denier staple fibers.
- Acrylic+modacrylic staple+tow production dropped 2.4% to 615.9 million pounds, as declining export markets offset expanding demand in the domestic markets.

1986 IMPORT/EXPORT REVIEW

IMPORT

Between 1985 and 1986, U.S. imports of man-made fibers rose to 383.7 million pounds up almost 16% over the 331.4 million pounds imported in 1985.

Significant increases in U.S. imports in 1986 over 1985 are noted in the following categories:

- Cellulosic filament imports rose by 21.8%.
- Cellulosic staple imports increased by 41.6%.
- Noncellulosic staple imports are up by 14.6%.

EXPORT

In 1986, exports of man-made fibers fell by 21% to 685.3 million pounds, down 182.3 million pounds from the 867.6 million pounds exported in 1985.

There are notable declines in U.S. exports in the following categories:

- Cellulosic filament exports fell by 30.9%.
- Noncellulosic staple exports dropped by 36.6%.
- Noncellulosic filament exports declined by 21.6%.

TABLE 2A:
SELECTED U.S. EXPORTS BY COUNTRY OF DESTINATION

	A. CELLULOSIC YARN MONOFIL & STRIPS				B. NONCELLULOSIC TEXTILE YARN				C. NONCELL. INDUSTRIAL YARN, MONOFIL & STRIPS				D. CELLULOSIC STAPLE+TOW				E. NONCELLULOSIC STAPLE+TOW			
	THOUS POUNDS		THOUS DOLLARS		THOUS POUNDS		THOUS DOLLARS		THOUS POUNDS		THOUS DOLLARS		THOUS POUNDS		THOUS DOLLARS		THOUS POUNDS		THOUS DOLLARS	
COUNTRY	1985	1986	1985	1986	1985	1986	1985	1986	1985	1986	1985	1986	1985	1986	1985	1986	1985	1986	1985	1986
CANADA	3172	3719	5074	4086	15849	18905	29788	32471	8422	9320	19081	21417	243	323	293	264	58372	58730	48774	48072
COSTA RICA	46	0	75	0	2932	6454	3526	6579	266	380	203	250	84	107	314	76	4141	1687	3062	1264
DOMINICAN REPUBLIC	10	2	18	4	2037	1642	1168	1274	122	294	165	160	64	22	51	22	476	528	275	318
EL SALVADOR	14	2	24	3	3759	4873	4519	4327	622	729	1221	1647	0	241	0	181	5087	4488	3539	3689
GUATEMALA	132	0	176	0	2428	1647	2442	1342	259	151	322	379	0	0	0	0	2710	2496	1814	1642
HAITI	0	0	0	0	323	202	356	268	784	713	1146	1002	0	6	0	6	1	9	4	10
HONDURAS	0	0	0	0	238	1688	226	1234	480	85	494	108	2	4	5	12	923	386	617	270
JAMAICA	0	5	0	7	227	476	423	633	13	17	37	54	0	0	0	0	54	1	269	5
LEEWARD & WINDWARD ISL.	2	0	2	0	0	27	0	13	2	1	17	1	0	0	0	0	0	9	0	5
MEXICO	46	205	140	428	817	675	2065	1298	1663	1381	4718	3605	15171	9926	9578	7363	4097	16576	4602	14598
NICARAGUA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PANAMA	0	0	0	0	209	159	368	228	99	126	303	175	0	0	0	0	35	94	101	76
TRINIDAD	0	0	0	0	2	1	12	3	5	6	22	45	1	0	1	0	44	8	58	39
OTHER	0	0	0	0	+	1	3	14	3	2	5	8	1	+	7	2	4	30	7	63
NORTH AMERICA	**3422**	**3933**	**5509**	**4528**	**28821**	**36750**	**44896**	**49684**	**12740**	**13205**	**27734**	**28851**	**15566**	**10629**	**10249**	**7926**	**75944**	**85042**	**63122**	**70051**
ARGENTINA	158	19	333	45	372	201	416	334	37	130	161	396	112	144	78	93	529	323	383	434
BOLIVIA	0	0	0	0	25	118	29	293	9	44	14	113	0	0	0	0	374	321	313	39
BRAZIL	0	132	0	205	1454	1586	2628	3471	1420	1474	3664	3887	48	66	65	59	637	1226	1159	1678
CHILE	0	6	0	11	160	509	241	911	43	214	234	647	828	2059	614	1653	6278	13893	4138	9456
COLOMBIA	0	0	0	0	1285	884	1629	1482	354	520	2756	3368	2003	4215	1332	2466	9377	13909	6455	8197
ECUADOR	491	170	756	263	2042	1205	1856	1422	316	75	439	269	275	67	178	54	11651	8869	8488	6544
PARAGUAY	0	0	0	0	0	9	0	21	0	0	10	0	14	0	37	0	0	9	0	5
PERU	3	4	7	7	118	167	85	258	306	1423	534	2279	81	137	61	132	514	482	345	295
URUGUAY	15	0	13	0	154	175	372	171	1	6	13	20	0	0	0	1	292	371	201	303
VENEZUELA	60	7	125	26	1853	2254	3131	3125	601	435	1194	1300	15259	8346	12149	6136	2478	4116	2050	3802
OTHER	0	0	0	0	25	17	58	29	3	7	6	15	0	0	0	0	0	8	3	14
SOUTH AMERICA	**727**	**338**	**1234**	**557**	**7488**	**7125**	**10445**	**11517**	**3090**	**4328**	**9025**	**12294**	**18620**	**15034**	**14514**	**10594**	**32130**	**43527**	**23535**	**31059**
AUSTRIA	0	0	0	0	4	13	25	91	67	29	319	141	4	5	6	7	12	32	12	33
BELGIUM/LUXEMBOURG	3025	1186	2902	2149	8603	8504	20659	28738	10759	14994	14267	19813	481	909	366	673	8991	9450	21449	34300
CZECHOSLOVAKIA	0	0	0	0	0	0	0	0	212	19	629	97	0	0	0	0	0	0	0	0
DENMARK	0	0	0	0	53	657	66	841	88	139	71	127	6	9	8	11	2135	4192	1894	4004
FINLAND	0	0	0	0	14	31	68	256	249	757	315	853	3	1	3	1	251	184	170	93
FRANCE	0	8	0	49	2326	2546	10373	9936	389	320	507	680	262	171	479	300	621	685	1027	872
GERMAN DEM. REP.	0	0	0	0	0	1	0	2	98	0	119	0	0	0	0	0	0	7	0	2
GERMANY, FED. REP. OF	208	55	172	117	2978	1112	6258	4659	3079	7685	4186	9717	167	144	259	298	3182	2667	3224	3904
GREECE	1	0	0	0	0	21	0	57	17	15	91	82	36	0	19	0	109	154	164	190
HUNGARY	0	0	0	0	0	71	0	82	0	0	0	0	0	0	0	0	0	0	0	0
ICELAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	175	95	177	93
IRELAND	0	0	0	0	1907	973	2096	1533	230	663	435	1172	5	0	5	1	292	444	495	953
ITALY	1	1	2	2	647	744	843	1663	6499	1376	2111	1985	737	84	160	97	5359	6509	3485	4276
NETHERLANDS	0	50	0	69	834	938	733	1223	279	303	528	640	14	15	18	17	4632	4693	4568	4631
NORWAY	0	0	0	0	41	393	51	514	0	296	0	294	49	76	68	82	188	171	198	209
POLAND	73	0	133	0	166	110	188	169	3833	2542	3662	2362	0	203	0	152	9401	5689	6573	3223
PORTUGAL	0	0	0	0	589	620	583	720	97	255	151	300	0	0	0	0	64	0	63	0
SPAIN	0	0	0	0	433	963	591	1221	1533	341	1974	543	40	16	23	16	2888	5832	1769	2989
SWEDEN	0	0	0	0	179	333	509	407	1079	479	1019	542	31	28	52	37	693	1097	732	1184
SWITZERLAND	0	1	0	2	791	789	623	809	26	537	126	877	14	11	15	28	31	2798	142	1743
TURKEY	0	0	0	0	925	33	1037	33	29374	27338	27578	26700	0	87	0	155	984	4606	606	2395
UNITED KINGDOM	0	41	0	166	4853	4259	6755	7289	4721	3892	6318	6024	698	1599	624	1212	3110	1898	4588	4164
U.S.S.R.	0	0	0	0	0	0	0	0	1928	0	1928	0	0	0	0	0	9	0	5	0
YUGOSLAVIA	506	0	454	0	1	1	14	13	1684	1937	1762	1796	0	0	0	0	0	647	0	410
OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	+	4	1	3
EUROPE	3814	1342	3663	2554	25344	23112	51472	60256	66241	63917	68096	74745	2547	3358	2105	3087	43127	51854	51342	69671

See footnotes below.

TABLE 2B:
SELECTED U.S. EXPORTS BY COUNTRY OF DESTINATION *(CONTINUED)*

	A. CELLULOSIC YARN MONOFIL & STRIPS				B. NONCELLULOSIC TEXTILE YARN				C. NONCELL. INDUSTRIAL YARN, MONOFIL & STRIPS				D. CELLULOSIC STAPLE+TOW				E. NONCELLULOSIC STAPLE+TOW			
	THOUS POUNDS		THOUS DOLLARS		THOUS POUNDS		THOUS DOLLARS		THOUS POUNDS		THOUS DOLLARS		THOUS POUNDS		THOUS DOLLARS		THOUS POUNDS		THOUS DOLLARS	
COUNTRY	1985	1986	1985	1986	1985	1986	1985	1986	1985	1986	1985	1986	1985	1986	1985	1986	1985	1986	1985	1986
AUSTRALIA	1660	1303	2629	1875	4670	8524	9422	18433	1683	1569	3133	3557	240	201	395	381	3169	3678	4252	4813
BANGLADESH	0	0	0	0	75	0	34	0	0	0	0	0	0	0	0	0	0	0	0	0
CHINA, P.R. OF	0	0	0	0	110359	44600	108605	36642	13930	60	10687	213	42	2511	45	1222	159054	20012	94996	12205
HONG KONG	1	13	4	35	2687	754	2515	1365	4516	290	3480	900	5	101	45	127	6838	8873	4190	5069
INDIA	0	104	0	69	241	485	388	802	2624	2346	2970	3014	240	97	154	65	4601	2971	3652	1605
INDONESIA	0	0	0	0	59	113	135	116	2031	5041	2527	5648	0	0	0	0	453	759	312	716
IRAQ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ISRAEL	11	70	27	173	4026	3187	4342	3793	3627	7556	3754	7126	23	9	23	9	1915	1853	1579	1314
JAPAN	23	3	44	20	2435	2421	8008	7222	10116	12687	12724	14654	233	207	268	282	2920	4002	8503	11197
JORDAN	0	0	0	0	236	85	211	68	0	0	0	0	0	0	0	0	0	0	0	6
KOREA, REP. OF	361	0	431	0	597	389	1455	1359	742	785	1067	1166	1	0	2	0	12431	8889	9072	7625
LEBANON	0	0	0	0	0	0	0	0	2	308	10	340	0	0	0	0	0	0	0	0
MALAYSIA	0	1	0	8	0	0	0	0	0	1	0	7	0	0	0	0	28	15	44	27
NEW ZEALAND	9	0	15	0	949	975	1509	2262	459	419	855	871	51	12	59	10	343	485	638	646
PAKISTAN	0	0	0	0	139	21	95	27	30	44	20	19	0	0	0	0	12	430	5	174
PHILIPPINES	2	10	7	33	134	200	237	332	787	925	6704	7832	10	5	12	6	3779	4634	5093	5713
QATAR	0	0	0	0	0	0	0	0	0	0	0	0	2	0	4	0	0	0	0	0
SAUDI ARABIA	16	0	47	0	8	3	29	19	37	15	91	28	5	0	6	0	42	149	190	968
SINGAPORE	0	1	0	8	5	5	20	21	123	526	169	528	0	1	0	2	127	292	301	1810
SYRIA	0	64	0	47	320	426	240	306	0	164	0	201	0	0	0	0	797	48	637	28
TAIWAN	7	2	13	4	3446	787	3673	1220	2147	4567	2455	5084	162	309	145	264	46387	13108	33332	9585
THAILAND	196	100	254	143	3	22	17	31	281	199	380	383	0	0	0	0	717	1948	445	1046
UNITED ARAB EMIRATES	0	0	0	0	0	0	0	0	0	1	0	8	0	0	0	0	0	6	2	40
OTHER	3	0	4	0	+	0	2	0	2	38	13	47	3	0	5	0	14	142	68	420
ASIA & OCEANIA	**2289**	**1671**	**3475**	**2415**	**130389**	**62997**	**140937**	**74018**	**43137**	**37541**	**51039**	**51626**	**1017**	**3453**	**1163**	**2368**	**243627**	**72294**	**167311**	**65007**
ALGERIA	0	0	0	0	2178	0	2125	0	2	2	7	8	0	0	0	0	0	0	0	0
CAMEROON	0	0	0	0	8	80	11	141	0	0	0	0	0	0	0	0	0	0	0	0
EGYPT	0	0	0	0	2910	1583	3101	1458	76	869	130	668	0	0	0	0	9905	6955	6420	4665
KENYA	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	306	1	192	4
MOROCCO	0	0	0	0	110	913	67	816	307	808	187	690	0	0	0	0	461	1663	309	851
MOZAMBIQUE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NIGERIA	0	28	0	11	866	1744	1491	4224	1	0	2	0	0	42	0	15	0	69	0	124
SOUTH AFRICA	218	34	285	53	621	219	874	621	127	32	347	101	74	50	42	31	9481	2460	6236	1789
SUDAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	0	19	0
TANZANIA	0	0	0	0	995	0	1476	0	0	0	0	0	0	0	0	0	0	0	0	0
TUNISIA	0	0	0	0	27	54	30	109	0	0	0	0	0	0	0	0	3	0	1	0
ZAMBIA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ZIMBABWE	0	0	0	0	0	21	0	55	85	0	84	0	0	0	0	0	1515	19	953	13
OTHER	0	0	0	0	239	152	234	191	1	120	3	34	0	0	0	0	1	30	3	51
AFRICA	**218**	**62**	**285**	**64**	**7954**	**4766**	**9409**	**7615**	**599**	**1831**	**760**	**1503**	**74**	**92**	**42**	**46**	**21684**	**11197**	**14133**	**7497**
GRAND TOTAL	**10629**	**7346**	**14379**	**10118**	**199996**	**134750**	**257159**	**203090**	**125807**	**120822**	**156654**	**169019**	**37824**	**32566**	**28081**	**24021**	**416512**	**263914**	**319442**	**243285**

The commodity numbers are:

A. 309.0110, .2210, 310.0006 & .0026.

B. 310.0008, .0009, .0010, .0014, .0029, .0034, .0040 & .0044

C. 309.0120, .0140, .0170, .2220, .2270, 310.0027 & .0032

D. 309.4219 & .4222.

E. 309.3220, .3250, .3255, .4240, .4242, .4245, .4246 & .4247

TABLE 3:
U.S. EXPORTS OF MAN-MADE FIBERS

ITEM	COMMODITY NUMBER AS OF 1/1/78	THOUSAND POUNDS					THOUSAND DOLLARS				
		1982	1983	1984	1985	1986	1982	1983	1984	1985	1986
CELLULOSIC FIBERS											
FILAMENT YARN [a]											
TEXTURED	310.0006	402	239	129	101	102	655	502	337	298	242
OTHER [b]	310.0026	21618	15496	8614	10412	7002	24490	16908	10051	13859	9207
MONOFILAMENTS	309.0110	15	43	12	79	228	90	135	66	178	651
STRIPS	309.2210	105	40	79	37	14	96	56	85	44	16
SUBTOTAL ABOVE		**22140**	**15818**	**8834**	**10629**	**7346**	**25331**	**17601**	**10539**	**14379**	**10116**
STAPLE+TOW-RAYON	309.4222	63371	40118	53882	35975	30887	41063	27427	37688	25546	21840
STAPLE-ACETATE	309.4219	3642	3093	2090	1849	1679	3277	2677	2337	2535	2182
SUBTOTAL ABOVE		**67013**	**43211**	**55972**	**37824**	**32566**	**44340**	**30104**	**40025**	**28081**	**24022**
WASTE, ADVANCED&NOT ADVANCED	309.7400	3193	1363	1632	1207	2222	1397	527	1062	801	1822
NONCELLULOSIC FIBERS											
YARN - SINGLES											
NYLON - TEXTURED	310.0008 & .0009	39429	40008	32268	26894	24403	62179	58366	50916	39982	42863
- HIGH TENACITY [c]	310.0027	48396	55606	66732	69386	76870	57259	65096	62515	72294	81880
- OTHER	310.0029	11789	15580	13155	9357	10333	23987	33591	28217	19373	23099
POLYESTER - TEXTURED	310.0010	182935	64040	79753	135997	68753	227816	80399	93889	140792	69534
- HIGH TENACITY [c]	310.0032	13752	12237	9156	32137	23862	17846	15553	11064	29618	27087
- OTHER [d]	310.0034	10179	3713	5968	8934	2347	10221	6518	8371	9270	2410
OTHER - TEXTURED	310.0014	15652	12631	7673	10495	21122	19147	16139	12040	14470	27888
- OLEFIN	310.0040	1124	806	340	555	1708	1643	1259	485	766	1740
- OTHER	310.0044	3891	3610	5261	7766	6084	19335	20983	26909	32505	35562
MONOFILAMENTS, ALL DENIERS											
NYLON	309.0120	4424	2350	2848	2364	5116	14193	10009	10435	9221	12901
POLYESTER	309.0140	4242	2925	3794	5759	6256	8662	7292	10141	14128	13387
OTHER	309.0170	8185	9930	11047	11955	4775	28295	19101	22912	17491	20821
STRIPS	309.2220 & .2270	2366	3242	4460	4204	3943	4642	5402	11398	13903	12945
SUBTOTAL ABOVE		**346364**	**226678**	**242455**	**325803**	**255572**	**495225**	**339708**	**349292**	**413813**	**372117**
STAPLE - NYLON	309.4240	15374	13518	14904	11100	15037	19751	17857	21685	13854	17288
- POLYESTER	309.4242	189584	101255	178903	176697	111270	134073	68307	116843	112222	68239
- ACRYLIC	309.4245	126617	114385	162285	150729	58397	91350	78572	114377	100146	40763
- OLEFIN	309.4246	7616	3698	4368	6974	14623	3663	2746	4088	5754	12670
- OTHER	309.4247	15410	11974	8555	10695	17410	29336	28331	30566	35401	57209
GROUPED FILAMENTS											
NYLON	309.3220	4966	3425	3048	1948	3701	11281	8766	8947	4635	9480
POLYESTER [d]	309.3240	28133	28890	23693	29155	21511	28075	25808	20749	23335	18135
ACRYLIC	309.3250 & .3255	23322	34621	33807	29214	21965	19341	28101	27202	24095	19498
SUBTOTAL ABOVE		**411022**	**311766**	**429563**	**416512**	**263914**	**336870**	**258488**	**344457**	**319442**	**243282**
WASTE, ADVANCED&NOT ADVANCED											
- NYLON	309.7620	11806	11841	12465	5601	8855	7648	6093	6494	3048	4441
- POLYESTER	309.7630	50903	40473	57371	46404	59265	21091	16090	22417	17722	24245
- ACRYLIC	309.7640	1713	2025	4620	4804	6399	610	773	1365	1286	1372
- OTHER	309.7660	21654	16942	15203	18836	49177	10206	6583	6385	6818	15315
SUBTOTAL ABOVE		**86076**	**71281**	**89659**	**75645**	**123696**	**39555**	**29539**	**36661**	**28874**	**45373**
TOTAL MAN-MADE ABOVE		**935808**	**670117**	**828115**	**867620**	**685316**	**942718**	**675967**	**782036**	**805390**	**696732**
TEXTILE GLASS FIBER	309.2700 & .9700	43714	39413	58101	58328	61160	39861	29553	56385	57787	66134
GRAND TOTAL ABOVE		**979522**	**709530**	**886216**	**925948**	**746476**	**982579**	**705520**	**838421**	**863177**	**762866**

SOURCE: U.S. Census Bureau Report EM546.

a. Includes thrown, singles and plied yarn.

b. Includes an undetermined amount of rayon tire cord and cord fabric.

c. Includes an undetermined amount of noncellulosic tire cord and cord fabric.

d. Includes zero twist yarns.

TABLE 4:
U.S. IMPORTS OF MAN-MADE FIBERS

ITEM	COMMODITY NUMBER AS OF 1/1/78	THOUSAND POUNDS					THOUSAND DOLLARS				
		1982	1983	1984	1985	1986	1982	1983	1984	1985	1986
CELLULOSIC FIBERS											
YARN - SINGLES											
TEXTURED	310.0106 & .0206	561	256	1571	190	518	857	290	940	267	610
OTHER	310.0130 & .0230 [a]	6437	7843	8245	12951	15669	10381	12365	12924	19129	24795
MONOFILAMENTS	309.0310 & .0610	2	24	5	19	20	10	36	20	44	68
STRIPS, $1/LB & UNDER	309.2000*	27	570	160	763	756	15	396	88	624	646
SUBTOTAL ABOVE		**7027**	**8693**	**9981**	**13923**	**16963**	**11263**	**13087**	**13972**	**20064**	**26119**
STAPLE	309.4320 & .4325	11939	12752	15388	11286	16453	8383	8434	10320	6844	12678
GROUPED FILAMENTS	309.3010 & .3310	1469	836	1605	1022	975	2342	1312	2619	1471	1305
SUBTOTAL ABOVE		**13408**	**13588**	**16993**	**12308**	**17428**	**10725**	**9746**	**12939**	**8315**	**13983**
WASTE, ADVANCED&NOT ADVANCED	**309.6615 & .7510**	**395**	**277**	**530**	**479**	**121**	**170**	**164**	**323**	**263**	**79**
NONCELLULOSIC FIBERS											
YARN - SINGLES											
TEXTURED - NYLON											
LESS THAN 450	310.0107 & .0207	4744	5123	17966	32352	2601	8157	8610	26141	35244	5025
MORE THAN 450	310.0108 & .0208					33994					37305
- POLYESTER	310.0110 & .0210	510	2182	10806	16642	14590	563	2403	10513	14653	13029
- OTHER	310.0114 & .0214	4340	7659	8939	14723	20477	5580	8986	10536	15732	20187
OTHER - NYLON	310.0149 & .0249	5533	14745	30192	18350	22521	7941	17994	39222	23747	30781
- POLYESTER	310.0150 & .0250	5263	13629	15698	16728	22465	7584	17705	21121	20624	28831
OTHER	310.0170 & .0270 [b]	1639	2739	2468	2520	5130	4854	6730	4139	4203	7837
MONOFILAMENTS	309.0200 & .0330 [c]	1497	1737	2857	2059	2722	5053	4721	8817	5537	8197
STRIPS, OVER $1/LB	309.2100 & .2500*	306	553	1066	1187	1557	2069	3952	5844	5886	6487
SUBTOTAL ABOVE		**23832**	**48367**	**89992**	**104561**	**126057**	**41801**	**71101**	**126333**	**125626**	**157679**
STAPLE - NYLON	309.4330 & .4350	11503	27648	38281	38544	51959	10488	23588	36579	34292	26229
- POLYESTER	309.4335 & .4360	7257	21502	22890	26800	40785	4791	11912	13272	15841	13456
- ACRYLIC	309.4365	7851	13644	13541	17611	17442	6777	12052	12568	16396	7799
- OLEFIN	309.4370	627	1195	2213	5732	1871	638	911	1630	3879	289
- OTHER	309.4340 & .4380	10853	9078	15412	25516	14238	6744	7010	11326	21283	4258
GROUPED FILAMENTS											
NYLON	309.3030 & .3200	7620	19085	23129	29514	38536	11385	27142	33524	40769	58505
POLYESTER	309.3040 & .3340	56	2035	7104	4980	2354	160	2268	6569	4715	2392
ACRYLIC	309.3050 & .3350	4438	6642	6929	7518	13065	8313	13631	15116	16548	31792
OTHER	309.3065 & .3365	882	663	1660	3231	2540	1247	742	2371	4313	3339
SUBTOTAL ABOVE		**51087**	**101492**	**131159**	**159446**	**182790**	**50543**	**99256**	**132955**	**158036**	**148059**
WASTE, NOT ADVANCED											
- NYLON	309.6625	22190	26745	31205	27162	22377	8275	11494	13876	10793	7755
- POLYESTER	309.6630	11187	13004	8042	7149	6304	1944	2503	1325	1143	878
- ACRYLIC	309.6645	932	304	39	283	328	274	76	8	48	182
- OTHER	309.6660	2530	2724	4074	2072	8442	689	1000	2027	607	2142
NOILS & GARNETTED FIBERS	309.6000 & .7000*	55	232	458	155	164	34	82	254	101	123
OTHER WASTE, ADVANCED	309.7525 - .7555	851	3080	6729	3852	2688	471	1219	1912	890	702
SUBTOTAL ABOVE		**37745**	**46089**	**50547**	**40673**	**40303**	**11687**	**16374**	**19402**	**13582**	**11782**
TOTAL MAN-MADE ABOVE		**133494**	**218506**	**299202**	**331390**	**383662**	**126189**	**209728**	**305924**	**325886**	**357701**
OTHER MAN-MADE FIBER TOPS, YARN & THREAD											
YARN - PLIED											
TEXTURED - CELLULOSIC	310.1506	2	1	1	1	1	10	4	7	7	15
- NONCELLULOSIC	310.1015 [d] & .1205 [e]	5315	8110	12223	9270	10221	7806	11709	17370	9955	11926
OTHER - CELLULOSIC	310.1030 & .1535 [f]	146	93	173	390	478	240	351	723	937	1932
- NONCELLULOSIC	310.1050 & .1070 [g]	979	2054	2763	4032	4857	1789	3594	4447	6795	10007
SPUN YARN - CELLULOSIC	310.4005 & .4030 [h]	325	1091	1724	1739	1879	756	1975	2224	2100	3105
- OTHER	310.4015 & .4027 [i]	22056	31487	35583	34260	44691	40264	51623	58127	54897	75910
OTHER YARNS - NES, INCL. CHENILLE	310.6029 - .8000	3107	2955	7517	8912	16759	9649	10969	16210	15640	28555
HANDWORK YARNS & SEWING THREAD	310.9000 - .9140 [j]	2277	2654	5445	9283	4593	9170	11898	18111	28952	13846
SLIVER, TOPS & ROVING	309.9000	2626	4755	4544	1941	3298	2977	5193	4792	2334	4467
TEXTILE GLASS FIBER	309.2800 & .2900 [k]	14100	20020	23083	34690	24404	10114	13878	19203	27850	23082
GRAND TOTAL ABOVE		**184427**	**291726**	**392258**	**435908**	**494843**	**208964**	**320922**	**447138**	**475353**	**530546**

SOURCE: U.S. Census Bureau Report IM146.

NES - Not elsewhere specified.

+ Nominal poundage.

* These items are not reported by the Census as cellulosic vs. noncellulosic. Any separation between cellulosic and noncellulosic is estimated, based mainly on average declared value.

a. Also includes 310.0510 & .0610.

b. Also includes 310.0530, .0550, .0630 & .0650.

c. Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.

d. There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

e. Also includes 310.1210, .1510 & .1514.

f. Also includes 310.2110.

g. Also includes 310.1550, .1555, .1570, .2030, .2050, .2130, .2150.

h. Also includes 310.5030.

i. Also includes 310.4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051

j. Also includes 310.9300 & .9500.

k. Chiefly roving. Also includes 309.9800 & .9900.

TABLE 5:
SELECTED U.S. MAN-MADE FIBER IMPORTS BY COUNTRY OF ORIGIN
THOUSAND POUNDS

COUNTRY	A. NONCELLULOSIC YARN-SINGLES						B. NONCELLULOSIC STAPLE + TOW								C. SPUN YARNS				D. WASTE				E. TEXTILE GLASS	
	NYLON		POLYESTER		OTHER		NYLON		POLYESTER		ACRYLIC		OTHER		CELL.		NONCELL.		CELL.		NONCELL.			
	1985	1986	1985	1986	1985	1986	1985	1986	1985	1986	1985	1986	1985	1986	1985	1986	1985	1986	1985	1986	1985	1986	1985	1986
ARGENTINA	34	82	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	654	619	0	0
BRAZIL	86	0	0	0	0	6	3	0	0	0	0	0	3250	610	0	0	0	472	0	0	110	0	6	0
CANADA	5521	4829	1154	1047	9899	11616	11218	13731	5059	8379	23	76	8088	3105	0	2	711	1218	0	0	13492	12845	2087	1967
COSTA RICA	0	0	933	6558	0	0	0	0	2636	75	0	0	0	0	0	0	0	0	0	0	128	131	0	0
MEXICO	3498	5727	4920	8119	135	604	987	6163	4080	3565	3525	5693	0	127	0	0	1539	2184	0	0	7249	10264	0	9
OTHER AMERICAS	0	0	0	183[b]	84	88[e]	0	14[h]	0	0	0	0	0	0	0	0	505	548[o]	0	0	0	125[r]	0	162[t]
TOTAL AMERICAS	9139	10638	7007	15907	10118	12314	12208	19908	11775	12019	3548	5769	11338	3842	0	2	2755	4422	0	0	21633	23984	2093	2138
AUSTRIA	22	+	23	20	695	779	0	0	0	0	0	+	337	551	1303	1254	328	246	0	0	1	0	0	0
BELGIUM/LUX.	5141	4798	2	117	2413	9095	381	294	0	0	32	117	70	72	6	0	515	216	0	0	267	610	220	28
DENMARK	34	+	0	+	0	0	+	0	0	35	0	0	99	154	0	0	0	0	0	0	0	0	0	0
FINLAND	0	0	+	0	+	0	0	0	0	0	0	0	244	18	0	0	121	100	0	0	20	0	0	0
FRANCE	4227	7708	6	61	36	54	9175	8779	199	558	1	129	338	845	12	0	1216	951	+	6	1174	1128	142	98
GERMANY, FED. REP. OF	3806	12689	9630	7498	1635	435	21134	21950	280	348	5397	5312	2953	2510	124	83	2718	2913	0	0	4054	1939	197	20
GREECE	0	0	0	0	0	3	0	0	0	0	0	12	0	0	0	0	167	1402	0	0	0	0	0	1
IRELAND	13	108	13	0	184	399	23	3	0	364	0	1	301	134	0	1	0	20	0	0	0	23	0	0
ITALY	13057	11743	104	144	376	373	13066	18443	175	76	1783	2008	1579	1150	1	58	5600	9113	1	+	1	0	111	86
NETHERLANDS	276	601	393	455	228	128	333	192	6	2	2	0	60	1	0	0	65	90	0	0	1262	533	1056	0
POLAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PORTUGAL	0	0	0	0	2	0	0	1	0	0	0	0	+	0	0	0	767	768	0	0	0	0	0	0
ROMANIA	131	75	0	563	0	0	427	2042	510	345	29	175	40	92	0	0	3260	3195	0	0	0	0	0	0
SPAIN	7	0	1	0	6	1	0	1	0	0	6	97	+	17	0	10	536	226	0	0	0	41	0	0
SWITZERLAND	2421	379	138	49	3	4	285	674	46	1	0	18	71	178	0	0	39	107	0	0	452	104	0	27
UNITED KINGDOM	5721	6315	122	51	525	901	8539	15704	247	473	1803	4152	2969	1213	0	0	811	1321	315	76	1593	742	2921	2345
OTHER EUROPE	3357	138[a]	1	16[c]	167	48[f]	132	50[i]	11	55[k]	24	101[l]	59	267[m]	0	0	675	2353[p]	0	0	190	0	+	0
TOTAL EUROPE	38213	44554	10433	8974	6270	12220	53495	68133	1474	2257	9077	12122	9120	7202	1446	1406	16818	23021	316	82	9014	5120	4647	2605
AUSTRALIA	0	134	0	0	+	0	187	660	0	279	0	0	60	40	0	0	1	0	0	0	895	1982	0	0
BANGLADESH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CHINA, P.R. OF	0	0	0	0	+	60	0	0	0	117	0	0	0	0	0	0	+	2413	0	0	3904	5092	0	0
EGYPT	0	0	0	+	0	0	0	0	0	0	0	0	0	0	0	0	0	920	0	0	0	0	0	0
HONG KONG	0	0	0	+	2	0	4	48	43	17	0	0	0	0	0	0	38	197	0	0	0	0	0	0
INDONESIA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	873	659	0	0	0	0	0	0
ISRAEL	2098	2982	325	90	153	6	1145	334	55	28	2	103	28	0	0	0	939	177	97	39	512	985	0	0
JAPAN	816	153	4270	5721	687	962	291	567	7380	7965	12488	12340	2919	1944	293	442	5553	4631	0	0	2376	2405	26918	19137
KOREA, REP. OF	16	15	24	51	0	43	1	0	4542	5397	0	+	0	145	0	0	568	593	0	0	512	49	35	3
MALAYSIA	0	0	0	0	0	0	0	0	0	286	0	0	0	0	0	0	1160	1477	0	0	0	6	0	6
NEW ZEALAND	0	+	0	0	0	0	0	0	0	0	0	0	0	0	0	0	+	0	0	0	0	0	0	0
PHILIPPINES	0	0	0	0	0	0	0	0	0	0	1	2	0	+	0	0	660	1603	0	0	758	0	0	0
SINGAPORE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1398	1640	0	0	0	0	0	0
SOUTH AFRICA	186	260	11270	6016	8	0	592	736	0	0	0	0	32	52	0	0	1659	964	66	0	1038	511	0	0
TAIWAN	153	380	41	202	5	1	135	79	6463	14774	0	171	10940	5286	0	0	515	561	0	0	6	169	997	479
THAILAND	0	0	0	0	0	0	0	0	0	0	0	0	0	138	0	0	821	872	0	0	0	0	0	0
OTHER ASIA & OTHER	81	0	+	94[d]	0	1[g]	0	30[j]	48	0	13	0	42	0	0	29[n]	502	541[q]	0	0	25	+[s]	0	36[u]
TOTAL ASIA & OTHER	3350	3924	15930	12174	855	1073	2355	2454	18531	28863	12504	12616	14021	7605	293	471	14687	17248	163	39	10026	11199	27950	19661
GRAND TOTAL	50702	59116	33370	37055	17243	25607	68058	90495	31780	43139	25129	30507	34479	18649	1739	1879	34260	44691	479	121	40673	40303	34690	24404

Source: U.S. Census Bureau IM146

A. Nylon 310.0107, .0108, .0207 & .0208; Polyester 310.0110, .0150, .0210 & .0250; Other 310.0114, .0170, .0214, .0270, .0530, .0550, .0630 & .0650.

B. Nylon 309.3030, .3200, .4330 & .4350; Polyester 309.3040, .3340, .4335 & .4360; Acrylic 309.3050, .3350 & .4365; Other 309.3065, .3365, .4340, 4370 & 4380.

C. Cellulosic 310.4005, .4030 & .5030; Noncellulosic 310.4015, .4027, .4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051.

D. Cellulosic 309.6615 & .7510; Noncellulosic 309.6000, .6625, .6630, .6645, .6600, .7000, .7525, .7530, .7540 & .7555.

E. 309.2800, .2900, .9800 & .9900.

[a] Norway 1, Turkey 51, Yugoslavia 86.

[b] Colombia 183.

[c] Iceland 16, Sweden +.

[d] Somalia 94.

[e] Chile 88.

[f] Hungary 48.

[g] Iran 1.

[h] Haiti 14.

[i] Sweden 16, Turkey 34.

[j] Kenya 30.

[k] Romania 51, Sweden +, Yugoslavia 4.

[l] Sweden 101.

[m] Sweden 30, Yugoslavia 237.

[n] Morocco 29.

[o] Chile 7, Colombia 104, El Salvador 49, Peru 254, Uruguay 23, Venezuela 111.

[p] Hungary 108, Sweden +, Turkey 689, Yugoslavia 1556.

[q] India 38, Maurit 488, Morocco 15, Pakistan +.

[r] Venezuela 125.

[s] Lebanon +.

[t] Venezuela 162.

[u] Nepal 36.

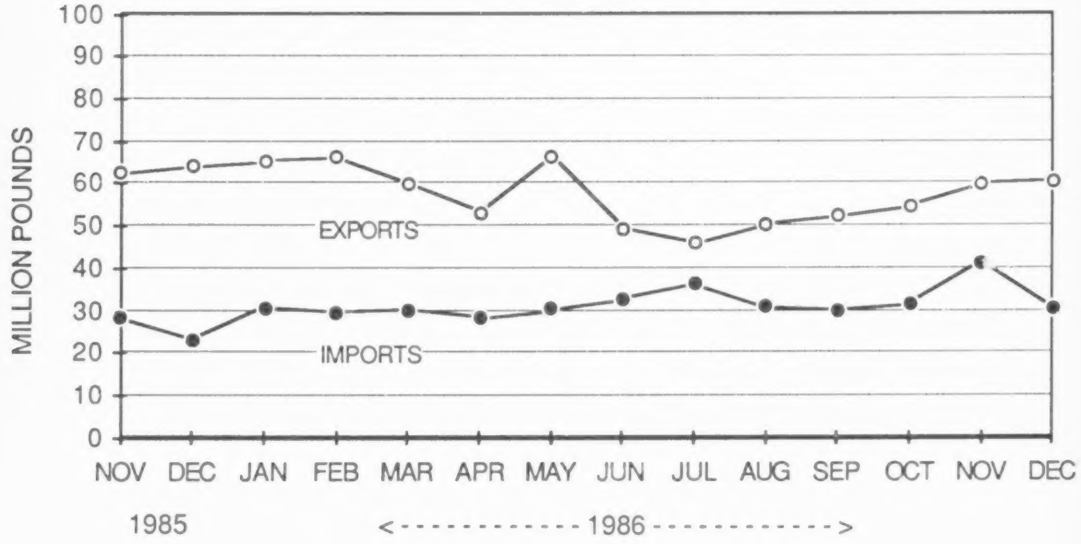
TRADE BAROMETER

RECENT MAN-MADE FIBER TRADE BALANCE TREND CONTINUES: EXPORTS RISE, IMPORTS FALL

In December, the U.S. man-made fiber balance of trade rose to 29.8 million pounds, up 61.1% from 18.5 million pounds in November.

December fiber exports totaled 60.6 million pounds, up1.0% from the previous month's exports. Imports fell to 30.8 million pounds, down 25.8% from 41.5 million pounds in November.

GRAPH 1:
IMPORTS VS. EXPORTS OF MAN-MADE FIBER



GRAPH 2:
MAN-MADE FIBER MONTHLY TRADE BALANCE

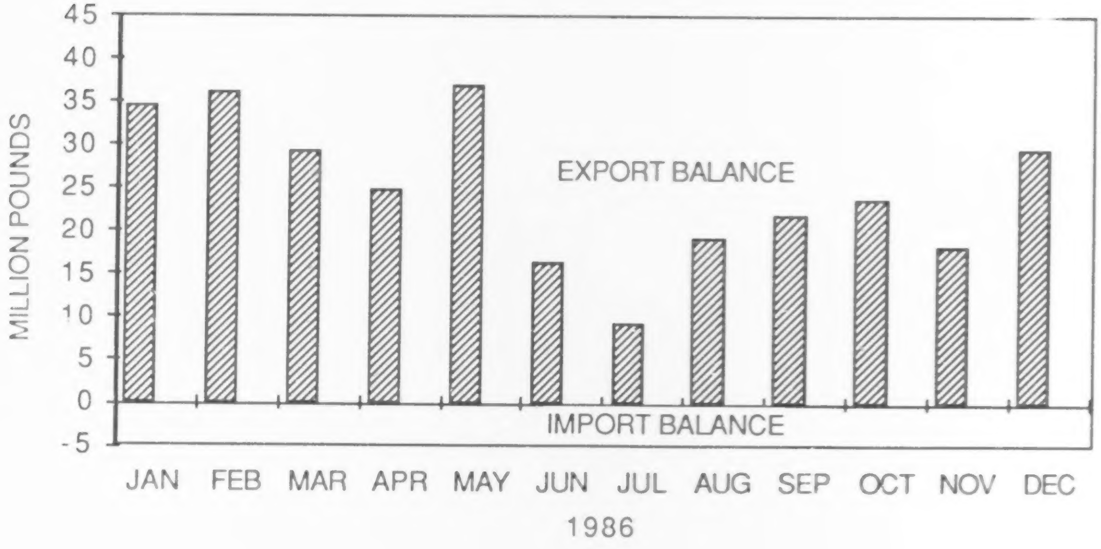


TABLE 6:
MAN-MADE FIBER MONTHLY TRADE BALANCE DETAIL
MILLION POUNDS

1986	CELLULOSIC YARN & MONOFIL			CELLULOSIC STAPLE+TOW			NONCELLULOSIC YARN & MONOFIL			NONCELLULOSIC STAPLE+TOW			CELLULOSIC WASTE			NONCELLULOSIC WASTE			TOTAL		
	IMP	EXP	BAL	IMP	EXP	BAL	IMP	EXP	BAL	IMP	EXP	BAL	IMP	EXP	BAL	IMP	EXP	BAL	IMP	EXP	BAL
JANUARY	1.4	0.5	-0.9	1.6	2.4	+0.8	8.3	28.9	+20.6	16.0	25.2	+9.2	+	0.1	+0.1	3.4	8.5	+5.1	**30.7**	**65.6**	**+34.9**
FEBRUARY	1.3	0.5	-0.8	1.1	2.6	+1.5	8.4	24.1	+15.7	14.9	27.0	+12.1	0	0.2	+0.2	3.9	11.9	+8.0	**29.6**	**66.3**	**+36.7**
MARCH	1.4	0.7	-0.7	1.5	5.5	+4.0	8.8	23.3	+14.5	15.1	20.7	+5.6	+	0.2	+0.2	3.4	9.6	+6.2	**30.2**	**60.0**	**+29.8**
APRIL	1.6	0.7	-0.9	1.4	1.0	-0.4	7.3	20.9	+13.6	14.6	18.6	+4.0	+	0.3	+0.3	3.5	11.7	+8.2	**28.4**	**53.2**	**+24.8**
MAY	2.0	0.8	-1.2	1.2	2.6	+1.4	9.9	29.9	+20.0	14.1	22.7	+8.6	+	0.1	+0.1	3.3	10.3	+7.0	**30.5**	**66.4**	**+35.9**
JUNE	1.3	0.6	-0.7	1.3	1.7	+0.4	12.3	19.4	+7.1	14.2	18.2	+4.0	+	0.2	+0.2	3.7	9.4	+5.7	**32.8**	**49.5**	**+16.7**
JULY	1.2	0.6	-0.6	1.7	3.2	+1.5	13.0	19.5	+6.5	16.6	17.8	+1.2	0	0.1	+0.1	3.9	4.8	+0.9	**36.4**	**46.0**	**+9.6**
AUGUST	1.2	0.4	-0.8	1.5	3.0	+1.5	11.2	17.8	+6.6	14.7	18.2	+3.5	0	0.4	+0.4	2.3	10.7	+8.4	**30.9**	**50.5**	**+19.6**
SEPTEMBER	1.3	0.8	-0.5	1.7	1.6	-0.1	9.4	17.7	+8.3	14.6	21.1	+6.5	+	0.1	+0.1	3.3	11.1	+7.8	**30.3**	**52.4**	**+22.1**
OCTOBER	1.3	0.7	-0.6	1.7	3.3	+1.6	11.5	16.1	+4.6	14.8	23.6	+8.8	+	0.4	+0.4	2.5	10.7	+8.2	**31.8**	**54.8**	**+23.0**
NOVEMBER	1.7	0.5	-1.2	1.8	3.8	+2.0	14.3	17.8	+3.5	19.6	23.2	+3.6	0	0.2	+0.2	4.1	14.5	+10.4	**41.5**	**60.0**	**+18.5**
DECEMBER	1.2	0.5	-0.7	0.9	1.9	+1.0	11.4	20.2	+8.8	14.3	27.5	+13.2	0	+	+	3.0	10.5	+7.5	**30.8**	**60.6**	**+29.8**
TOTAL	16.9	7.3	-9.6	17.4	32.6	+15.2	125.8	255.6	+129.8	183.5	263.8	+80.3	+	2.3	+2.3	40.3	123.7	+83.4	383.9	685.3	+301.4

SOURCES: The fiber import and export data are from the U.S. Bureau of the Census (Reports IM145X and EM522).
+ Net export balance.
- Net import balance.

TABLE 7:
SELECTED U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION BY COUNTRY OF ORIGIN
THOUSAND POUNDS

ITEMS & COUNTRY	1986												YEAR TO DATE	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1986	1985
CELLULOSIC YARN, MONOFIL & STRIPS														
BRAZIL	82	56	0	53	0	0	0	0	58	0	29	29	307	730
CANADA	200	420	226	302	698	431	465	443	516	408	420	222	4751	2586
GERMANY, FED. REP. OF	482	284	783	594	22	494	489	402	280	474	488	571	5363	5676
JAPAN	95	41	50	25	35	26	32	0	0	17	64	112	497	656
MEXICO	81	114	0	62	0	0	63	40	109	118	118	77	782	1308
NETHERLANDS	195	181	167	233	34	179	124	268	175	325	519	153	2553	1373
REP. OF KOREA	80	60	80	80	0	60	20	20	0	0	1	1	402	641
ALL OTHER COUNTRIES[a]	160	146	136	265	95	118	40	66	77	2	39	0	1144	953
TOTAL CELLULOSIC YARN	**1375**	**1302**	**1442**	**1614**	**884**	**1308**	**1233**	**1239**	**1215**	**1344**	**1678**	**1165**	**15799**	**13923**
CELLULOSIC STAPLE+TOW														
AUSTRIA	259	0	217	126	138	150	102	49	0	0	0	0	1041	654
CANADA	777	981	724	948	764	620	1221	1333	1536	1398	1589	681	12572	7303
JAPAN	143	75	128	108	108	89	63	45	75	113	+	74	1021	618
MEXICO	310	0	109	123	41	142	82	0	0	0	0	0	807	259
UNITED KINGDOM	105	39	80	69	42	40	114	4	132	+	1	89	715	1215
ALL OTHER COUNTRIES[b]	11	0	268	10	105	297	116	41	0	141	195	88	1272	2259
TOTAL CELLULOSIC STAPLE+TOW	**1605**	**1095**	**1526**	**1384**	**1198**	**1338**	**1698**	**1472**	**1743**	**1652**	**1785**	**932**	**17428**	**12308**
NONCELLULOSIC YARN, MONOFIL & STRIPS														
AUSTRALIA	0	16	31	2	8	18	7	17	11	138	22	8	278	1696
AUSTRIA	113	7	115	4	150	47	135	48	+	76	89	15	799	866
BELGIUM	1152	1901	531	297	449	1550	1024	1087	753	1798	2048	1391	13981	7559
BRAZIL	1	56	0	0	6	0	0	0	0	0	0	0	63	233
CANADA	1282	338	857	1384	1239	1598	1793	1388	1551	1690	2289	1823	17232	15112
COSTA RICA	480	430	349	608	736	647	468	751	393	640	563	421	6486	940
FRANCE	405	689	679	249	493	456	889	787	1187	612	928	634	8008	4627
GERMANY, FED. REP. OF	1195	1199	1397	774	1915	4022	2735	1900	1149	1286	2745	1955	22272	16397
ISRAEL	413	277	316	226	179	239	487	264	197	56	358	83	3095	2372
ITALY	790	529	1158	895	1083	1331	1598	880	950	1384	1066	730	12394	13306
JAPAN	646	553	1019	693	895	758	807	719	151	503	777	406	7927	6699
MEXICO	128	917	1223	931	928	431	1366	1794	1394	1712	2072	1701	14597	8645
NETHERLANDS	74	213	29	6	255	249	47	165	68	129	48	81	1364	904
SOUTH AFRICA	853	866	532	631	565	143	322	186	229	386	263	1331	6307	11464
SWITZERLAND	74	74	1	2	224	59	1	2	1	4	12	7	461	2563
TAIWAN	36	39	47	144	111	32	205	131	74	13	46	14	892	331
UNITED KINGDOM	573	510	352	307	454	581	754	866	868	747	855	583	7450	6475
YUGOSLAVIA	85	0	0	0	0	0	0	0	0	0	0	0	85	2958
ALL OTHER COUNTRIES[c]	47	218	192	215	172	145	369	197	462	369	142	198	2726	1414
TOTAL NONCELLULOSIC YARN	**8347**	**8832**	**8828**	**7368**	**9862**	**12306**	**13007**	**11182**	**9438**	**11543**	**14323**	**11381**	**126417**	**104561**
NONCELLULOSIC STAPLE+TOW														
BELGIUM	25	18	57	39	85	41	18	21	75	46	43	18	486	484
BRAZIL	35	60	22	0	0	161	179	86	65	0	0	0	608	3249
CANADA	2650	1831	1430	1882	1977	1812	1464	1651	2073	2490	3269	2551	25080	24387
COSTA RICA	31	44	0	0	0	0	0	0	0	0	0	0	75	2637
FRANCE	996	984	984	761	888	782	819	699	954	564	964	918	10313	9715
GERMANY, FED. REP. OF	3105	2727	2552	2994	3005	2524	2194	2490	1780	1806	2765	1762	29704	29764
ISRAEL	42	81	48	80	28	44	25	0	13	88	15	0	464	1232
ITALY	1237	1748	1504	1525	721	1345	2619	2572	2622	2422	1823	1540	21678	16605
JAPAN	1919	1523	2265	1431	1515	2286	2381	2092	1578	1687	2416	1551	22644	23077
MEXICO	1025	1105	1011	1249	1599	832	1973	1458	1119	1496	1335	1347	15549	8590
NETHERLANDS	20	0	+	43	0	0	29	101	0	0	1	0	194	399
REP. OF KOREA	492	355	551	88	343	650	431	490	287	327	704	824	5542	4575
ROMANIA	210	88	158	0	438	0	456	119	294	86	664	54	2567	1042
SOUTH AFRICA	80	88	0	25	53	53	49	0	98	19	102	221	788	592
SWITZERLAND	137	0	23	48	88	96	84	75	73	20	73	137	854	403
TAIWAN	2105	1587	2111	1961	1272	1380	2039	1532	895	1062	2597	1768	20309	17538
UNITED KINGDOM	1819	2340	2151	2271	1800	2008	1659	1105	2343	1273	2022	785	21576	13525
ALL OTHER COUNTRIES[d]	116	330	216	222	326	164	156	185	301	413	822	242	3493	1632
TOTAL NONCELLULOSIC STAPLE+TOW	**16044**	**14909**	**15083**	**14619**	**14138**	**14178**	**16575**	**14676**	**14570**	**13799**	**19615**	**13718**	**181924**	**159445**

+ Nominal poundage.

Other countries supplying 1986 poundages are:

a. Australia 18, Austria 30, Belgium 243, China, PR of 3, France 48, Ireland 427, Israel 45, Italy 11, Switzerland +, Taiwan 100, Thailand 17, United Kingdom 108, Yugoslavia 94.

b. Belgium 3, Finland 77, France 11, Germany, Federal Rep. of 96, Hong Kong 6, Israel +, Italy 455, Sweden 579, Taiwan 45.

c. Argentina 83, Chile 88, China, PR of 60, Colombia 255, Denmark 214, Dominican Rep. +, Egypt +, Greece 2, Hong Kong +, Hungary 48, Iceland 16, India +, Iran 1, Ireland 546, Korea, Rep. of 288, Netherlands +, Norway 2, Philippines +, Romania 639, Singapore 170, Somalia 95, Spain 1, Sweden 167, Turkey 51.

d. Australia 1120, Austria 411, China, PR of 117, Denmark 189, Finland 18, Greece 12, Haiti 14, Hong Kong 65, Ireland 501, Kenya 31, Malaysia 286, Philippines 2, Portugal 1, Spain 116, Sweden 148, Thailand 138, Turkey 84, Yugoslavia 240.

TABLE 8:
U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION
THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/78	1986 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE 1986	1985
CELLULOSIC FIBERS															
YARN - SINGLES															
TEXTURED	310.0106 & .0206	28	30	29	0	123	31	155	44	41	1	36	0	518	190
OTHER	310.0130 & .0230 [a]	1309	1180	1318	1488	1751	1160	1037	1229	1091	1338	1603	1165	15669	12351
MONOFILAMENTS	309.0310 & .0610	0	5	6	0	4	0	0	0	0	5	0	+	20	19
STRIPS, $1/LB & UNDER	309.2000*	38	87	89	126	129	117	41	7	83	0	39	0	756	763
SUBTOTAL ABOVE		**1375**	**1302**	**1442**	**1614**	**2007**	**1308**	**1233**	**1280**	**1215**	**1344**	**1678**	**1165**	**16963**	**13923**
STAPLE	309.4320 & .4325	1465	1056	1396	1298	1121	1183	1524	1471	1654	1627	1785	873	16453	11286
GROUPED FILAMENTS	309.3010 & .3310	140	39	130	86	77	155	174	1	89	25	0	59	975	1022
SUBTOTAL ABOVE		**1605**	**1095**	**1526**	**1384**	**1198**	**1338**	**1698**	**1472**	**1743**	**1652**	**1785**	**932**	**17428**	**12308**
WASTE, ADVANCED&NOT ADVANCED	**309.6615 & .7510**	+	**0**	+	**33**	+	**43**	**0**	**0**	**6**	**39**	**0**	**0**	**121**	**479**
NONCELLULOSIC FIBERS															
YARN - SINGLES															
TEXTURED - NYLON															
LESS THAN 450	310.0107 & .0207	150	195	203	139	548	252	213	296	258	156	154	37	2601 }	32352
MORE THAN 450	310.0108 & .0208	1809	1217	1092	918	2313	5096	4606	3308	3302	3994	3972	2367	33994 }	
- POLYESTER	310.0110 & .0210	748	1376	1165	1209	1039	380	1210	788	1148	1200	1938	2389	14590	16642
- OTHER	310.0114 & .0214	1640	2213	1276	1088	1059	1829	1997	1193	945	1948	2907	2382	20477	14723
OTHER - NYLON	310.0149 & .0249	1236	1498	1935	1321	1650	1752	2274	2395	2251	1822	2522	1865	22521	18350
- POLYESTER	310.0150 & .0250	1898	1331	2390	1911	2512	2269	1885	2572	910	1516	1736	1535	22465	16728
- OTHER	310.0170 & .0270 [b]	483	225	438	400	403	409	395	365	397	514	651	450	5130	2520
MONOFILAMENTS	309.0200 & .0330 [c]	275	256	267	218	204	202	206	145	172	222	349	206	2722	2059
STRIPS, OVER $1/LB	309.2100 & .2500*	108	127	62	164	142	117	221	120	81	171	94	150	1557	1187
SUBTOTAL ABOVE		**8347**	**8438**	**8828**	**7368**	**9870**	**12306**	**13007**	**11182**	**9464**	**11543**	**14323**	**11381**	**126057**	**104561**
STAPLE - NYLON	309.4330 & .4350	3716	4331	3835	4107	3294	3188	5098	4420	5346	4260	6206	4158	51959	38544
- POLYESTER	309.4335 & .4360	2725	3058	3474	2831	2760	3278	3206	3099	2359	3320	5910	4765	40785	26800
- ACRYLIC	309.4365	1473	822	887	1202	1542	1262	2407	1416	1511	1513	2259	1148	17442	17611
- OLEFIN	309.4370	623	222	149	28	107	194	205	86	88	0	126	[illegible]	1871	5732
- OTHER	309.4340 & .4380	2666	1949	1613	1881	1478	820	1137	711	222	618	771	372	14238	25516
GROUPED FILAMENTS															
NYLON	309.3030 & .3200	3381	3504	3164	3153	3258	3555	3174	3266	3908	2698	2806	2669	38536	29514
POLYESTER	309.3040 & .3340	147	150	204	84	197	108	223	165	122	279	270	405	2354	4980
ACRYLIC	309.3050 & .3350	972	670	1616	1048	1138	1393	1023	1359	1132	951	1131	632	13065	7518
OTHER	309.3065 & .3365	341	203	141	285	364	380	102	154	123	180	136	131	2540	3231
SUBTOTAL ABOVE		**16044**	**14909**	**15083**	**14619**	**14138**	**14178**	**16575**	**14676**	**14811**	**13819**	**19615**	**14323**	**182790**	**159446**
WASTE, NOT ADVANCED															
- NYLON	309.6625	1605	2239	2315	1439	1492	2304	2034	1274	1946	1439	2272	2018	22377	27162
- POLYESTER	309.6630	560	403	465	827	511	434	733	402	408	382	767	412	6304	7149
- ACRYLIC	309.6645	0	0	6	0	19	0	188	36	40	0	39	0	328	283
- OTHER	309.6660	892	813	256	748	922	692	738	489	835	667	882	508	8442	2072
NOILS & GARNETTED FIBERS	309.6000 & .7000*	+	59	0	0	62	0	0	0	0	0	43	0	164	155
OTHER WASTE, ADVANCED	309.7525 - .7555	324	357	372	446	253	246	261	128	85	39	105	72	2688	3852
SUBTOTAL ABOVE		**3381**	**3871**	**3414**	**3460**	**3259**	**3676**	**3954**	**2329**	**3314**	**2527**	**4108**	**3010**	**40303**	**40673**
TOTAL MAN-MADE ABOVE		30752	29615	30293	28478	30472	32849	36467	30939	30553	30924	41509	30811	383662	331390
OTHER MAN-MADE FIBER TOPS, YARN & THREAD															
YARN - PLIED															
TEXTURED - CELLULOSIC	310.1506	0	0	+	0	+	+	0	1	+	+	0	0	1	1
- NONCELLULOSIC	310.1015[d] & .1205[e]	1795	1666	1101	1666	1137	770	519	372	310	473	277	135	10221	9270
OTHER - CELLULOSIC	310.1030 & .1535 [f]	83	108	41	13	20	49	56	12	7	15	49	25	478	390
- NONCELLULOSIC	310.1050 & .1070 [g]	496	261	434	248	321	722	405	505	262	354	562	287	4857	4032
SPUN YARN - CELLULOSIC	310.4005 & .4030 [h]	227	105	155	182	232	282	228	221	74	90	52	31	1879	1739
- OTHER	310.4015 & .4027 [i]	2619	3160	3542	3597	3591	4132	5686	4284	3364	2678	4821	3217	44691	34260
OTHER YARNS - NES, INCL. CHENILLE	310.6029 - .8000	225	385	830	1278	1957	1713	2388	2165	1356	1431	1527	1504	16759	8912
HANDWORK YARNS & SEWING THREAD	310.9000 - .9140 [j]	284	491	478	387	411	495	369	369	406	341	315	247	4593	9283
SLIVER, TOPS & ROVING	309.9000	262	239	493	226	240	271	255	306	327	207	214	238	3298	1941
TEXTILE GLASS FIBER	309.2800 & .2900 [k]	2142	3090	2643	2221	1883	1891	2390	1328	1372	1572	2491	1381	24404	34690
GRAND TOTAL ABOVE		38905	39120	40010	38296	40264	43174	48783	40502	38031	38085	51817	37876	494843	435908

SOURCE: U.S. Census Bureau Report IM145X.

NES - Not elsewhere specified.

+ Nominal poundage.

* These items are not reported by the Census as cellulosic vs. noncellulosic. Any separation between cellulosic and noncellulosic is estimated, based mainly on average declared value.

a. Also includes 310.0510 & .0610.

b. Also includes 310.0530, .0550, .0630 & .0650.

c. Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.

d. There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

e. Also includes 310.1210, .1510 & .1514.

f. Also includes 310.2110.

g. Also includes 310.1550, .1555, .1570, .2030, .2050, .2130, .2150.

h. Also includes 310.5030.

i. Also includes 310.4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051.

j. Also includes 310.9300 & .9500.

k. Chiefly roving. Also includes 309.9800 & .9900.

TABLE 9:
U.S. EXPORTS OF MAN-MADE FIBERS

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/78	1986												YEAR TO DATE	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1986	1985
CELLULOSIC FIBERS															
FILAMENT YARN [a]															
TEXTURED	310 0006	0	3	5	22	3	4	30	+	18	+	8	9	102	101
OTHER [b]	310 0026	483	499	712	729	742	573	532	435	632	697	453	515	7002	10412
MONOFILAMENTS	309 0110	18	3	22	8	1	0	12	0	156	2	1	5	223	79
STRIPS	309 2210	0	0	1	1	12	0	0	0	0	0	0	0	14	37
SUBTOTAL ABOVE		**501**	**505**	**740**	**760**	**758**	**577**	**574**	**435**	**806**	**699**	**462**	**529**	**7346**	**10629**
STAPLE+TOW-RAYON	309 4222	2262	2482	5331	790	2402	1665	3084	2893	1446	3135	3654	1743	30887	35975
STAPLE-ACETATE	309 4219	175	102	162	223	208	64	77	141	135	131	143	118	1679	1849
SUBTOTAL ABOVE		**2437**	**2584**	**5493**	**1013**	**2610**	**1729**	**3161**	**3034**	**1581**	**3266**	**3797**	**1861**	**32566**	**37824**
WASTE, ADVANCED&NOT ADVANCED	309 7400	**68**	**233**	**157**	**303**	**126**	**171**	**95**	**396**	**69**	**405**	**151**	**48**	**2222**	**1207**
NONCELLULOSIC FIBERS															
YARN - SINGLES															
NYLON - TEXTURED	310 0008 & 0009	1373	2025	2135	1843	2066	2230	2097	2397	2245	1952	1917	2123	24403	26894
- HIGH TENACITY [c]	310 0027	5757	6837	5805	5895	5786	5273	7012	6434	6489	6493	6988	8101	76870	69386
- OTHER	310 0029	638	1276	1238	867	425	849	731	753	1212	761	998	585	10333	9357
POLYESTER - TEXTURED	310 0010	7485	8451	9794	5928	15265	4250	4940	2921	2756	2366	2527	2070	68753	135097
- HIGH TENACITY [c]	310 0032	1952	1435	1252	2765	2717	2942	1361	1355	1262	1337	1686	3798	23862	32137
- OTHER [d]	310 0034	735	128	90	189	151	341	60	203	202	134	94	20	2347	8934
OTHER - TEXTURED	310 0014	8990	916	1023	1116	906	1433	1067	1586	1281	1097	780	927	21122	10495
- OLEFIN	310 0040	67	951	84	119	87	45	25	72	61	48	113	36	1708	555
- OTHER	310 0044	212	600	479	524	742	400	697	394	709	455	603	269	6084	7766
MONOFILAMENTS, ALL DENIERS															
NYLON	309 0120	376	287	312	533	437	561	332	258	479	310	920	311	5116	2364
POLYESTER	309 0140	663	503	340	535	589	432	405	453	464	595	394	883	6256	5759
OTHER	309 0170	283	450	537	418	373	292	249	436	335	355	471	576	4775	11955
STRIPS	309 2220 & 2270	320	283	194	211	362	379	479	499	243	187	332	454	3943	4204
SUBTOTAL ABOVE		**28851**	**24142**	**23283**	**20943**	**29906**	**19427**	**19455**	**17761**	**17738**	**16090**	**17823**	**20153**	**255572**	**325803**
STAPLE - NYLON	309 4240	1111	1230	1074	1054	1348	1272	858	801	1383	1575	1998	1333	15037	11100
- POLYESTER	309 4242	8164	8395	6714	6651	9885	8676	9271	7998	7994	10846	12157	14519	111270	176697
- ACRYLIC	309 4245	8607	7909	4248	4524	5220	3756	2981	4175	4515	4093	2349	6020	58397	150729
- OLEFIN	309 4246	1844	1327	1269	1105	437	623	1018	1039	1242	2264	1635	820	14623	6974
- OTHER	309 4247	1124	2228	1796	1208	1324	1154	1351	813	1391	1622	2083	1316	17410	10695
GROUPED FILAMENTS															
NYLON	309 3220	238	350	176	336	280	226	204	356	291	206	685	353	3701	1948
POLYESTER [d]	309 3240	1997	2797	1950	1832	1987	1339	1281	1135	2840	1552	1274	1527	21511	29155
ACRYLIC	309 3250 & 3255	2090	2775	3435	1893	2280	1117	815	1925	1467	1487	1066	1615	21965	29214
SUBTOTAL ABOVE		**25175**	**27011**	**20662**	**18603**	**22761**	**18163**	**17779**	**18242**	**21123**	**23645**	**23247**	**27503**	**263914**	**416512**
WASTE, ADVANCED&NOT ADVANCED															
- NYLON	309 7620	299	806	408	628	785	387	525	1036	1265	999	1323	394	8855	5601
- POLYESTER	309 7630	3848	5678	4934	7109	5390	4966	2224	5372	6118	3961	4811	4854	59265	46404
- ACRYLIC	309 7640	569	624	1080	228	399	824	322	363	118	662	910	300	6399	4804
- OTHER	309 7660	3831	4801	3139	3779	3701	3241	1752	3903	3598	5063	7443	4926	49177	18836
SUBTOTAL ABOVE		**8547**	**11909**	**9561**	**11744**	**10275**	**9418**	**4823**	**10674**	**11099**	**10685**	**14487**	**10474**	**123696**	**75645**
TOTAL MAN-MADE ABOVE		**65579**	**66384**	**59836**	**53366**	**66436**	**49485**	**45887**	**50455**	**52416**	**54790**	**59967**	**60568**	**685316**	**867620**
TEXTILE GLASS FIBER	309 2700 & 9700	4355	4551	5042	4580	5008	4536	5148	5639	5973	5774	5336	5218	61160	58328
GRAND TOTAL ABOVE		**69934**	**70935**	**64938**	**57946**	**71444**	**54021**	**51035**	**56094**	**58389**	**60564**	**65303**	**65786**	**746476**	**925948**

SOURCE: U S Census Bureau Report EM522

a. Includes thrown, singles and plied yarn.

b. Includes an undetermined amount of rayon tire cord and cord fabric.

c. Includes an undetermined amount of noncellulosic tire cord and cord fabric

d. Includes zero twist yarns.

TABLE 10A:
QUARTERLY MAN-MADE FIBER DATA

MILLION POUNDS

ITEM	1984					1985					1986				
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR
						YARN+MONOFILAMENTS									
***CELLULOSIC YARN*[d]**															
PRODUCTION	55.2	56.0	50.0	37.0	198.2	52.8	54.5	48.4	48.9	204.6	54.3	54.7	54.1	51.7	214.8
SHIPMENTS - DOMESTIC	48.7	51.9	43.4	36.1	180.1	44.4	48.0	46.6	48.1	187.1	48.6	50.4	47.7	45.4	192.1
- EXPORT	5.8	4.2	4.4	3.8	18.2	7.3	6.0	4.6	5.1	23.0	4.7	5.1	4.9	5.5	20.2
TOTAL SHIPMENTS	54.5	56.1	47.8	39.9	198.3	51.7	54.0	51.2	53.2	210.1	53.3	55.5	52.6	50.9	212.3
ENDING STOCK	13.2	13.1	15.3	12.4		18.9	19.4	16.6	12.3		13.3	12.5	14.0	14.8	
NYLON															
PRODUCTION	400.9	407.9	383.3	385.2	1577.3	370.8	360.3	386.7	397.0	1514.8	396.9	396.5	398.3	414.6	1606.3
SHIPMENTS - DOMESTIC	365.1	370.7	348.9	353.4	1438.1	323.7	353.0	368.9	371.8	1417.4	363.4	368.7	377.7	370.6	1480.4
- EXPORT	29.9	30.1	29.1	30.2	119.3	33.5	25.0	33.3	26.6	118.4	26.7	28.2	25.1	32.8	112.8
TOTAL SHIPMENTS	395.0	400.8	378.0	383.6	1557.4	357.2	378.0	402.2	398.4	1535.8	390.1	396.9	402.8	403.4	1593.2
ENDING STOCK	126.7	133.8	139.1	140.7		154.3	136.6	121.1	119.7		126.5	126.1	121.6	132.8	
***OLEFIN*[a]**															
PRODUCTION	178.0	184.5	171.5	213.1	747.1	231.6	251.1	234.5	237.3	954.5	245.9	255.7	259.5	283.6	1044.7
SHIPMENTS - DOMESTIC	169.3	180.2	169.6	206.5	725.6	223.6	246.0	234.4	233.6	937.6	241.3	258.4	257.8	278.2	1035.7
- EXPORT	4.3	3.8	4.2	4.2	16.5	3.6	3.8	3.2	2.9	13.5	2.4	2.9	2.6	2.9	10.8
TOTAL SHIPMENTS	173.6	184.0	173.8	210.7	742.1	227.2	249.8	237.6	236.5	951.1	243.7	261.3	260.4	281.1	1046.5
ENDING STOCK	60.9	61.4	59.1	61.5		65.9	67.2	64.1	64.9		67.1	61.5	60.6	63.1	
POLYESTER															
PRODUCTION	318.8	297.5	279.8	303.9	1200.0	316.2	340.8	345.9	318.0	1320.9	322.2	271.5	285.5	293.5	1172.7
SHIPMENTS - DOMESTIC	291.9	286.1	276.9	290.0	1144.9	290.1	311.6	309.2	293.3	1204.2	284.8	253.5	273.7	280.4	1092.4
- EXPORT	14.1	12.4	9.9	16.8	53.2	17.7	30.6	29.0	31.0	108.3	21.8	23.8	14.3	17.4	77.3
TOTAL SHIPMENTS	306.0	298.5	286.8	306.8	1198.1	307.8	342.2	338.2	324.3	1312.5	306.6	277.3	288.0	297.8	1169.7
ENDING STOCK	110.4	109.4	102.4	99.5		107.9	106.5	114.2	107.9		123.5	117.7	115.2	110.9	
TOTAL NONCELLULOSIC ABOVE															
PRODUCTION	897.7	889.9	834.6	902.2	3524.4	918.6	952.2	967.1	952.3	3790.2	965.0	923.7	943.3	991.7	3823.7
SHIPMENTS - DOMESTIC	826.3	837.0	795.4	849.9	3308.6	837.4	910.6	912.5	898.7	3559.2	889.5	880.6	909.2	929.2	3608.5
- EXPORT	48.3	46.3	43.2	51.2	189.0	54.8	59.4	65.5	60.5	240.2	50.9	54.9	42.0	53.1	200.9
TOTAL SHIPMENTS	874.6	883.3	838.6	901.1	3497.6	892.2	970.0	978.0	959.2	3799.4	940.4	935.5	951.2	982.3	3809.4
ENDING STOCK	298.0	304.6	300.6	301.7		328.1	310.3	299.4	292.5		317.1	305.3	297.4	306.8	
DOMESTIC SHIPMENTS	826.3	837.0	795.4	849.9	3308.6	837.4	910.6	912.5	898.7	3559.2	889.5	880.6	909.2	929.2	3608.5
IMPORTS - TEXTURED YARN[b]	12.4	13.3	12.0	12.3	50.0	16.2	16.2	22.7	17.8	72.9	17.9	19.5	20.4	24.1	81.9
- OTHER YARN[b]	12.9	13.2	13.9	11.1	51.1	11.9	12.0	9.3	8.4	41.6	12.3	13.9	14.7	14.0	54.9
- MONOFILAMENTS	1.0	0.7	0.8	0.4	2.9	0.6	0.6	0.5	0.4	2.1	0.8	0.6	0.5	0.8	2.7
TOTAL IMPORTS	26.3	27.2	26.7	23.8	104.0	28.7	28.8	32.5	26.6	116.6	31.0	34.0	35.6	38.9	139.5
TOTAL AVAILABLE	852.6	864.2	822.1	873.7	3412.6	866.1	939.4	945.0	925.3	3675.8	920.5	914.6	944.8	968.1	3748.0
						TEXTILE GLASS FIBER									
PRODUCTION	333.3	337.0	342.9	380.8	1394.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SHIPMENTS - DOMESTIC	305.1	340.8	311.0	293.8	1250.7	300.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
- EXPORT	11.7	14.8	14.9	16.6	58.0	17.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL SHIPMENTS	316.8	355.6	325.9	310.4	1308.7	317.9	325.6	318.8	297.3	1259.6	330.6	352.6	333.9	331.4	1348.5
ENDING STOCK	141.2	122.6	139.6	210.0		NA	NA	NA	NA		NA	NA	NA	NA	
IMPORTS	7.8	5.7	5.4	4.2	23.1	7.5	9.4	8.4	9.4	34.7	7.9	6.0	4.4	5.4	23.7
TOTAL AVAILABLE	312.9	346.5	316.4	298.0	1273.8	308.1	NA	NA	NA	NA	NA	NA	NA	NA	NA

FOOTNOTES FOR TABLE ABOVE & OPPOSITE

NA no longer available.

"Imports" are imports for consumption, as reported by the U.S. Census Bureau.

a. Also include film fiber as well as spunbonded polypropylene.

b. Includes singles and plied.

c. These figures are composites of the nylon, acrylic+mod-acrylic, polyester and olefin staple imports, i.e., Commodity Numbers 309.4338, 4342, 4345, & 4346.

d. 1985 - 1986 includes both rayon & acetate yarn.
1984 data - acetate yarn only.

TABLE 10B:
QUARTERLY MAN-MADE FIBER DATA *(Continued)*

MILLION POUNDS

ITEM	1984					1985					1986				
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR
						STAPLE+TOW									
RAYON															
PRODUCTION	104.0	103.7	94.0	87.5	389.2	85.6	85.8	87.2	94.1	352.7	95.1	99.7	103.4	105.5	403.7
SHIPMENTS - DOMESTIC	90.7	82.5	81.6	77.1	331.9	73.8	76.6	82.9	90.4	323.7	91.6	92.0	95.1	94.3	373.0
- EXPORT	11.3	20.3	10.3	10.2	52.1	7.9	13.5	10.0	3.6	35.0	6.3	6.9	7.3	10.3	30.8
TOTAL SHIPMENTS	102.0	102.8	91.9	87.3	384.0	81.7	90.1	92.9	94.0	358.7	97.9	98.9	102.4	104.6	403.8
ENDING STOCK	25.3	26.2	28.3	28.5		32.4	28.1	22.4	22.5		19.7	20.5	21.5	22.4	
DOMESTIC SHIPMENTS	90.7	82.5	81.6	77.1	331.9	73.8	76.6	82.9	90.4	323.7	91.6	92.0	95.1	94.3	373.0
IMPORTS FOR CONSUMPTION															
STAPLE	4.4	3.2	3.9	3.9	15.4	3.8	2.2	2.4	2.9	11.3	[illegible]	3.6	4.6	4.3	16.4
GROUPED FILAMENTS	0.4	0.3	0.5	0.4	1.6	0.3	0.3	0.3	0.2	1.1	[illegible]	0.3	0.3	0.1	1.0
TOTAL IMPORTS	4.8	3.5	4.4	4.3	17.0	4.1	2.5	2.7	3.1	12.4	[illegible]	[illegible]	4.9	4.4	17.4
TOTAL AVAILABLE	95.5	86.0	86.0	81.4	348.9	77.9	79.1	85.6	93.5	336.1	95.8	[illegible]	100.0	98.7	390.4
NYLON															
PRODUCTION	220.9	216.6	193.0	204.3	834.8	191.6	200.8	215.6	219.7	827.7	220.5	207.4	236.1	244.3	908.3
SHIPMENTS-DOMESTIC	211.1	210.6	194.5	198.2	814.4	192.8	202.7	212.9	221.9	830.3	195.2	203.2	254.3	242.2	894.9
-EXPORT	5.6	3.1	4.6	3.6	16.9	3.3	3.1	3.2	3.7	13.3	3.9	2.9	3.0	3.5	13.3
TOTAL SHIPMENTS	216.7	213.7	199.1	201.8	831.3	196.1	205.8	216.1	225.6	843.6	199.1	206.1	257.3	245.7	908.2
ENDING STOCK	79.3	82.2	76.1	78.6		74.1	69.1	68.6	62.7		84.1	85.4	64.2	62.8	
IMPORTS	7.9	7.8	12.1	10.5	38.3	8.7	8.0	12.5	9.3	38.5	11.9	10.6	14.9	14.6	52.0
TOTAL AVAILABLE	219.0	218.4	206.6	208.7	852.7	201.5	210.7	225.4	231.2	868.8	207.1	213.8	269.2	256.8	946.9
ACRYLIC+MODACRYLIC															
PRODUCTION	171.7	174.9	164.7	159.5	670.8	163.0	158.5	152.1	157.2	630.8	149.0	151.1	158.0	157.8	615.9
SHIPMENTS-DOMESTIC	120.6	124.2	107.7	94.2	446.7	105.3	119.7	118.6	115.1	458.7	123.1	143.7	138.7	125.7	531.2
-EXPORT	48.5	51.3	60.7	59.0	219.5	59.0	42.4	46.7	37.0	185.1	27.1	19.2	17.8	18.8	82.9
TOTAL SHIPMENTS	169.1	175.5	168.4	153.2	666.2	164.3	162.1	165.3	152.1	643.8	150.2	162.9	156.5	144.5	614.1
ENDING STOCK	75.4	74.8	71.1	77.4		76.1	72.5	59.3	64.4		63.2	51.4	52.9	66.2	
IMPORTS	3.3	3.8	3.9	2.5	13.5	3.4	3.6	5.9	4.7	17.6	3.2	4.0	5.3	4.9	17.4
TOTAL AVAILABLE	123.9	128.0	111.6	96.7	460.2	108.7	123.3	124.5	119.8	476.3	126.3	147.7	144.0	130.6	548.6
OLEFIN+VINYON															
PRODUCTION	57.3	61.8	64.4	66.4	249.9	69.1	72.7	75.1	77.8	294.7	82.4	82.3	84.7	85.7	335.1
SHIPMENTS-DOMESTIC	53.7	61.0	62.7	63.5	240.9	67.2	71.9	70.8	69.8	279.7	73.9	82.6	76.4	80.0	312.9
-EXPORT	3.8	0.6	0.5	0.9	5.8	1.0	2.0	3.2	2.3	8.5	4.2	4.8	4.8	4.6	18.4
TOTAL SHIPMENTS	57.5	61.6	63.2	64.4	246.7	68.2	73.9	74.0	72.1	288.2	78.1	87.4	81.2	84.6	331.3
ENDING STOCK	19.8	20.0	21.2	23.2		24.1	22.9	24.0	29.7		34.0	28.9	32.4	33.5	
POLYESTER															
PRODUCTION	561.6	573.5	531.4	525.3	2191.8	520.7	512.2	468.9	518.3	2020.1	520.8	538.7	522.1	550.6	2132.2
SHIPMENTS-DOMESTIC	514.2	527.7	481.3	469.0	1992.2	456.3	460.2	462.4	493.8	1872.7	499.1	499.9	496.3	503.2	1998.5
-EXPORT	32.8	34.6	44.8	88.0	200.2	51.0	63.2	29.1	22.6	165.9	25.7	25.0	31.6	42.5	124.8
TOTAL SHIPMENTS	547.0	562.3	526.1	557.0	2192.4	507.3	523.4	491.5	516.4	2038.6	524.8	524.9	527.9	545.7	2123.3
ENDING STOCK	188.7	199.9	205.2	173.5		186.9	175.7	153.1	155.0		151.0	164.8	159.0	163.9	
IMPORTS	7.8	5.5	5.2	4.4	22.9	5.5	7.7	7.3	6.3	26.8	9.3	8.9	8.7	13.9	40.8
TOTAL AVAILABLE	522.0	533.2	486.5	473.4	2015.1	461.8	467.9	469.7	500.1	1899.5	508.4	508.8	505.0	517.1	2039.3
TOTAL NONCELLULOSIC															
PRODUCTION	1011.5	1026.8	953.5	955.5	3947.3	944.4	944.2	911.7	973.0	3773.3	972.7	979.5	1000.9	1038.4	3991.5
SHIPMENTS-DOMESTIC	899.6	923.5	846.2	824.9	3494.2	821.6	854.5	864.7	900.6	3441.4	891.3	929.4	965.7	951.1	3737.5
-EXPORT	90.7	89.6	110.6	151.5	442.4	114.3	110.7	82.2	65.6	372.8	60.9	51.9	57.2	69.4	239.4
TOTAL SHIPMENTS	990.3	1013.1	956.8	976.4	3936.6	935.9	965.2	946.9	966.2	3814.2	952.2	981.3	1022.9	1020.5	3976.9
ENDING STOCK	363.2	376.9	373.6	352.7		361.2	340.2	305.0	311.8		332.3	330.5	308.5	326.4	
DOMESTIC SHIPMENTS	899.6	923.5	846.2	824.9	3494.2	821.6	854.5	864.7	900.6	3441.4	891.3	929.4	965.7	951.1	3737.5
IMPORTS FOR CONSUMPTION															
3 FIBERS ABOVE [c]	19.0	17.1	21.2	17.4	74.7	17.6	19.3	25.7	20.3	82.9	24.4	23.5	28.9	33.4	110.2
OTHER N.C. STAPLE	4.6	4.2	5.3	3.5	17.6	7.1	7.3	8.7	8.2	31.3	7.2	4.4	2.5	2.0	16.1
GROUPED FILAMENTS	11.0	9.5	9.6	8.7	38.8	9.5	11.8	11.9	12.3	45.5	14.4	15.0	14.7	12.4	56.5
TOTAL IMPORTS	34.6	30.8	36.1	29.6	131.1	34.2	38.4	46.3	40.8	159.7	46.0	42.9	46.1	47.8	182.8
TOTAL AVAILABLE	934.2	954.3	882.3	854.5	3625.3	855.8	892.9	911.0	941.4	3601.1	937.3	972.3	1011.8	998.9	4920.3

See footnotes on opposite page.

TABLE 11: SELECTED U.S. MONTHLY TEXTILE FIBER DATA

MILLION POUNDS

ITEM	1987												YEAR TO DATE[a]	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1987	1986
	TOTAL SHIPMENTS[b]													
MAN-MADE FIBER DATA[c]														
YARN+MONOFILAMENTS														
CELLULOSIC YARN	**14.6**												**14.6**	**17.8**
NYLON[d] - INDUSTRIAL[e]	31.0												31.0	26.3
- CARPET	75.1												75.1	69.6
- TEXTILE[g]	30.5												30.5	30.9
POLYESTER - INDUSTRIAL[e]	26.6												26.6	28.2
- TEXTILE[g]	63.3												63.3	77.1
OLEFIN[f]	92.3												92.3	75.1
TOTAL NONCELLULOSIC ABOVE	318.3												318.3	307.2
STAPLE +TOW+FIBERFILL														
RAYON	**34.1**												**34.1**	**34.9**
NYLON[d]	84.1												84.1	70.7
ACRYLIC+MODACRYLIC	49.2												49.2	50.2
POLYESTER	184.0												184.0	179.9
OLEFIN+VINYON[h]	28.2												28.2	24.0
TOTAL NONCELLULOSIC ABOVE	345.5												345.5	324.8
	END-OF-MONTH STOCK													
YARN+MONOFILAMENTS														
CELLULOSIC YARN	**17.9**												**17.9**	**13.0**
NYLON[d] - INDUSTRIAL[e]	29.2												29.2	23.8
- CARPET	56.6												56.6	55.4
- TEXTILE[g]	49.6												49.6	49.0
POLYESTER - INDUSTRIAL[e]	30.6												30.6	25.1
- TEXTILE[g]	85.6												85.6	84.7
OLEFIN[f]	54.7												54.7	66.7
TOTAL NONCELLULOSIC ABOVE	306.3												306.3	304.7
STAPLE+TOW+FIBERFILL														
RAYON	**24.3**												**24.3**	**20.7**
NYLON[d]	59.3												59.3	63.0
ACRYLIC+MODACRYLIC	68.2												68.2	66.1
POLYESTER	178.0												178.0	147.9
OLEFIN+VINYON[h]	33.3												33.3	33.3
TOTAL NONCELLULOSIC ABOVE	338.8												338.8	310.3
WOOL & COTTON CONSUMPTION														
APPAREL CLASS WOOL														
CARPET CLASS WOOL														
TOTAL RAW WOOL														
RAW COTTON														

a. "Year-to-date" totals for stock, are the latest month's figures.

b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

c. Producers' total domestic plus export shipments.

d. Data for nylon exclude aramid.

e. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

f. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.

g. Low denier industrial nylon and polyester included with Textile.

h. 1987 data excludes Vinyon.

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TEXTILE ORGANON

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MONTHLY REVIEW

Highlights

Textile Organon Features:

Raw Fiber Equivalent of Imports, Exports & Balance . . . begins on page 40.

U.S. Fiber Industry Employment . . . see page 45.

1986: A Year in Perspective . . . begins on page 46.

In February, shipments of noncellulosic yarn+monofilaments totaled 320.0 million pounds, a 0.4% increase over January shipments of 318.8 million pounds.

- ***Nylon industrial yarn*** shipments rose 5.8% to 32.8 million pounds.
- ***Nylon carpet yarn*** shipments rose 3.3% to 77.6 million pounds.
- ***Polyester industrial yarn*** shipments increased by 3.8% to 27.6 million pounds.
- ***Olefin yarn*** shipments fell by 5.1% to 87.6 million pounds.

In February, noncellulosic staple+tow shipments totaled 351.5 million pounds, a 1.7% increase over the 345.5 million pounds shipped in January.

- ***Polyester staple+tow*** shipments increased by 4.2% to 191.7 million pounds.
- ***Acrylic staple*** shipments rose by 3.0% to 50.7 million pounds.
- ***Nylon staple*** shipments fell by 3.4% to 81.2 million pounds.

Cellulosic staple shipments declined by 12.9% to 29.7 million pounds in February.

TABLE 1:
TOTAL MAN-MADE FIBER SHIPMENTS

MILLION POUNDS & *PERCENT CHANGE*

ITEM	1987			1986		YEAR TO DATE		
	FEB	JAN	% [a]	FEB	% [b]	1987	1986	% [c]
YARN+MONOFILAMENTS								
CELLULOSIC YARN	**13.7**	**14.6**	***-6.2***	**17.2**	***-20.3***	**28.3**	**35.0**	***-19.1***
NYLON[d] - INDUSTRIAL	32.8	31.0	*+5.8*	29.5	*+11.2*	63.8	55.8	*+14.3*
- CARPET	77.6	75.1	*+3.3*	71.1	*+9.1*	152.7	140.7	*+8.5*
- TEXTILE [e]	30.4	30.5	*-0.3*	31.1	*-2.3*	60.9	62.0	*-1.8*
POLYESTER - INDUSTRIAL	27.6	26.6	*+3.8*	25.6	*+7.8*	54.2	53.8	*+0.7*
- TEXTILE [e]	64.0	63.3	*+1.1*	78.0	*-17.9*	127.3	155.1	*-17.9*
OLEFIN	87.6	92.3	*-5.1*	84.2	*+4.0*	179.9	159.3	*+12.9*
TOTAL NONCELLULOSIC ABOVE	**320.0**	**318.8**	***+0.4***	**319.5**	***+0.2***	**638.8**	**626.7**	***+1.9***
STAPLE+TOW+FIBERFILL								
RAYON	**29.7**	**34.1**	***-12.9***	**30.0**	***-1.0***	**63.8**	**64.9**	***-1.7***
NYLON[d]	81.2	84.1	*-3.4*	64.1	*+26.7*	165.3	134.8	*+22.6*
ACRYLIC+MODACRYLIC	50.7	49.2	*+3.0*	47.8	*+6.1*	99.9	98.0	*+1.9*
POLYESTER	191.7	184.0	*+4.2*	171.2	*+12.0*	375.7	351.1	*+7.0*
OLEFIN+VINYON[f]	27.9	28.2	*-1.1*	25.4	*+9.8*	56.1	49.4	*+13.6*
TOTAL NONCELLULOSIC ABOVE	**351.5**	**345.5**	***+1.7***	**308.5**	***+13.9***	**697.0**	**633.3**	***+10.1***

[a] Percent change from previous month to current month.

[b] Percent change to current month from same month last year.

[c] Percent change from cumulative total last year to cumulative total this year.

[d] Nylon excludes Aramid.

[e] Low denier industrial nylon and polyester is included with Textile.

[f] 1987 data excludes Vinyon.

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U.S. DOMESTIC FIBER CONSUMPTION UP 10%

In 1986, domestic consumption of man-made fiber, cotton and wool rose to 14.9 billion pounds, up almost 11% over the 13.5 billion pounds consumed in 1985.

The growth in consumption at the U.S. mill level resulted from greatly increased imports of textiles and manufactures.

In 1986, U.S. mill consumption rose to 11.9 billion pounds, up 8.6%.

1986 U.S. MILL CONSUMPTION REVIEW

- Man-made fiber consumption rose 5.2% to 8454.0 million pounds.
- Cotton consumption increased almost 18% to 3297.5 million pounds.
- Wool consumption rose 22.1% to 164.5 million pounds.

Imports of textiles and manufactures hit record levels in 1986, growing 18.5% to 3820.9 million pounds.

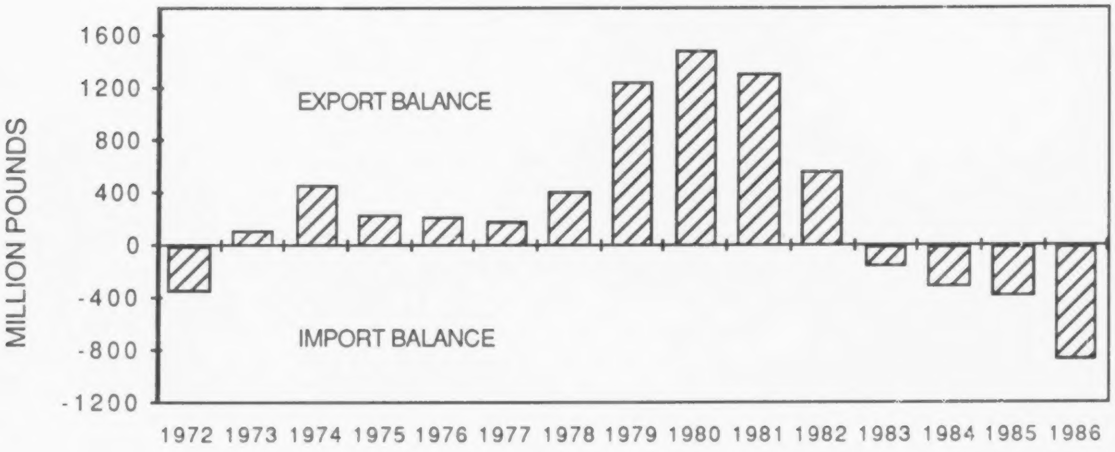
- Imports of man-made fiber manufactures grew 20.6%.
- Imports of cotton manufactures rose 19.2%.
- Imports of wool manufactures rose 2.6%.

U.S. MAN-MADE FIBERS INDUSTRY EMPLOYMENT DROPS 23% SINCE 1981

The U.S. man-made fiber industry employment has declined by over 23%, or 17524 workers, since the Reagan Administration took office in 1981.

In 1986, employment in the man-made fiber industry in both production and salary amounted to 57276, 8.4% below the 1985 total of 62558. Since 1981, employment in the production sector fell more than 24% to 40228, while jobs for salaried workers declined 21.4% to 17048 during the same period.

GRAPH 1:
U.S. BALANCE OF TRADE IN MAN-MADE FIBER & MANUFACTURES



GRAPH 2:
U.S. BALANCE OF TRADE IN MAN-MADE FIBER VS. U.S. BALANCE OF TRADE IN MAN-MADE FIBER MANUFACTURES

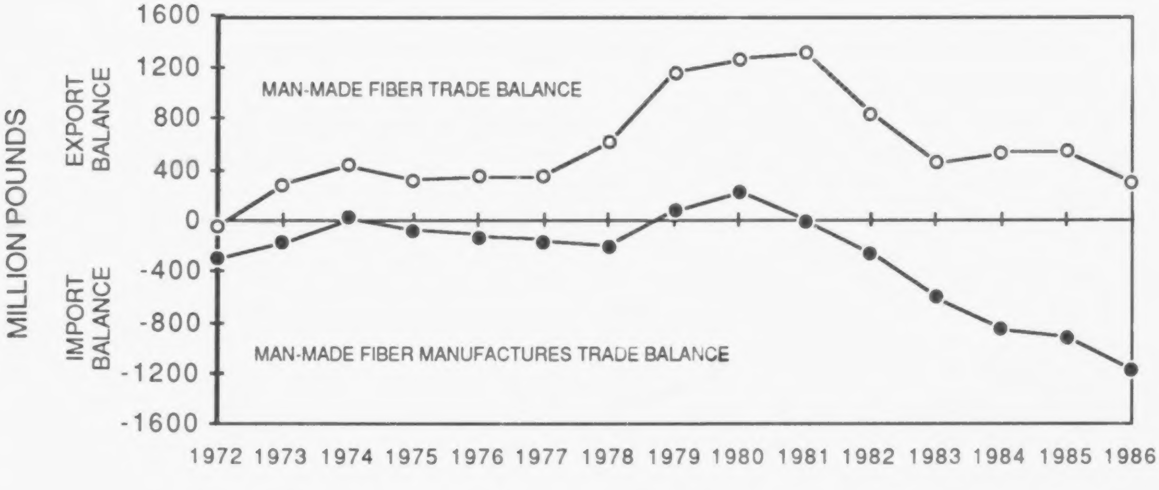


TABLE 2:
RAW FIBER EQUIVALENT OF IMPORTS, EXPORTS & BALANCE OF MAN-MADE FIBER MANUFACTURES
MILLION POUNDS

COMMODITY	1986												YEAR	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1986	1985
IMPORTS														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, ETC.[a]	6.8	7.3	8.2	8.5	8.5	9.4	10.6	8.5	6.7	5.8	8.4	5.9	94.6	74.7
CLOTH[b]	20.1	19.1	22.8	22.2	23.4	24.5	25.6	20.9	16.3	15.9	17.6	13.8	242.2	129.1
SUBTOTAL	**26.9**	**26.4**	**31.0**	**30.7**	**31.9**	**33.9**	**36.2**	**29.4**	**23.0**	**21.7**	**26.0**	**19.7**	**336.8**	**203.8**
MANUFACTURED PRODUCTS														
WEARING APPAREL	74.5	70.4	67.8	61.7	76.7	88.5	106.2	99.8	79.9	77.7	68.0	50.5	921.7	798.1
INDUSTRIAL[c]	0.2	0.2	0.3	0.2	0.3	0.2	0.2	0.4	0.1	0.4	0.2	0.1	2.8	0.9
HOME FURNISHINGS[d] ALL OTHER[e] }	40.8	33.1	33.5	32.5	38.2	37.2	37.2	33.2	33.1	35.4	40.1	28.7	423.0	394.2
SUBTOTAL	**115.5**	**103.7**	**101.6**	**94.4**	**115.2**	**125.9**	**143.6**	**133.4**	**113.1**	**113.5**	**108.3**	**79.3**	**1347.5**	**1193.2**
TOTAL IMPORTS	**142.4**	**130.1**	**132.6**	**125.1**	**147.1**	**159.8**	**179.8**	**162.8**	**136.1**	**135.2**	**134.3**	**99.0**	**1684.3**	**1397.0**
EXPORTS														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, ETC.[a]	3.5	3.3	5.8	6.8	4.5	3.0	2.7	3.2	3.1	4.1	3.9	3.5	47.4	50.9
CLOTH[g]	14.2	12.7	14.3	15.1	15.3	15.5	16.8	15.8	16.5	15.4	18.1	14.3	184.0	158.6
SUBTOTAL	**17.7**	**16.0**	**20.1**	**21.9**	**19.8**	**18.5**	**19.5**	**19.0**	**19.6**	**19.5**	**22.0**	**17.8**	**231.4**	**209.5**
MANUFACTURED PRODUCTS														
WEARING APPAREL	5.0	5.1	6.5	6.3	6.8	6.0	5.9	7.0	6.5	6.8	7.0	5.2	74.1	65.2
INDUSTRIAL[c]	5.1	3.0	3.6	4.6	4.1	4.0	2.6	3.4	3.0	4.0	4.6	2.8	44.8	30.2
HOME FURNISHINGS[g]	6.5	5.4	5.8	6.6	7.7	6.4	6.0	5.6	6.9	6.2	7.7	7.1	77.9	81.9
ALL OTHER[h]	5.5	5.9	5.7	6.5	7.5	5.1	7.4	6.4	7.3	7.5	6.9	6.3	78.0	73.5
SUBTOTAL	**22.1**	**19.4**	**21.6**	**24.0**	**26.1**	**21.5**	**21.9**	**22.4**	**23.7**	**24.5**	**26.2**	**21.4**	**274.8**	**250.8**
TOTAL EXPORTS	**39.8**	**35.4**	**41.7**	**45.9**	**45.9**	**40.0**	**41.4**	**41.4**	**43.3**	**44.0**	**48.2**	**39.2**	**506.2**	**460.3**
BALANCE														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, ETC.	3.3 I	4.0 I	2.4 I	1.7 I	4.0 I	6.4 I	7.9 I	5.3 I	3.6 I	1.7 I	4.5 I	2.4 I	47.2 I	23.8 I
CLOTH	5.9 I	6.4 I	8.5 I	7.1 I	8.1 I	9.0 I	8.8 I	5.1 I	0.2 E	0.5 I	0.5 E	0.5 E	58.2 I	29.5 E
SUBTOTAL	**9.2 I**	**10.4 I**	**10.9 I**	**8.8 I**	**12.1 I**	**15.4 I**	**16.7 I**	**10.4 I**	**3.4 I**	**2.2 I**	**4.0 I**	**1.9 I**	**105.4 I**	**5.7 E**
MANUFACTURED PRODUCTS														
WEARING APPAREL	69.5 I	65.3 I	61.3 I	55.4 I	69.9 I	82.5 I	100.3 I	92.8 I	73.4 I	70.9 I	61.0 I	45.3 I	847.6 I	732.9 I
INDUSTRIAL	4.9 E	2.8 E	3.3 E	4.4 E	2.5 E	3.4 E	2.5 E	3.0 E	2.9 E	3.6 E	4.4 E	2.7 E	42.0 E	29.3 E
HOME FURNISHINGS ALL OTHER }	28.8 I	21.8 I	22.0 I	19.4 I	23.0 I	25.7 I	23.8 I	21.2 I	18.9 I	21.7 I	25.5 I	15.3 I	267.1 I	238.8 I
SUBTOTAL	**93.4 I**	**84.3 I**	**80.0 I**	**70.4 I**	**89.1 I**	**104.4 I**	**121.7 I**	**111.0 I**	**89.4 I**	**89.0 I**	**82.1 I**	**57.9 I**	**1072.7 I**	**942.4 I**
TOTAL BALANCE	**102.6 I**	**94.7 I**	**90.9 I**	**79.2 I**	**101.2 I**	**119.8 I**	**138.4 I**	**121.4 I**	**92.8 I**	**91.2 I**	**86.1 I**	**59.8 I**	**1178.1 I**	**936.7 I**

SOURCE: U.S. Department of Agriculture, Cotton and Wool Outlook & Situation.

a Includes sliver, tops, roving, plied (textured and other), thrown and spun yarn, sewing thread and handwork yarns. Yarn singles (textured and other) are not included here; rather they are included in Column 13 page 52 of this issue.

Man-made fiber yarn exports do not include substantial quantities of indirect exports. Indirect exports are shipments which are billed to a domestic customer by a yarn producer but which are ultimately exported by the customer. Indirect export data are available for the years 1980-1986 only; the corresponding quantities for each year are,respectively (in millions of pounds): 142.4, 254.0, 166.2 , 83.1, 108.8, 162.0 & 95.2.

b. Includes broad & narrow woven fabrics and knit cloth, except that cotton narrow fabrics and wool knit fabrics are included in All Other.

c. The man-made fiber data are tire cord & tire cord fabric.

d. Includes carpets & rugs. Lace window curtains are in All Other.

e. Includes such products as lace & lace articles, lace window curtains, braids, tassels, polishing & dustcloths, etc. For 1983, 1984, 1985 & 1986 man-made fiber include imports of soft-sided luggage. For those years the quantities were, respectively, 180.5, 228.0, 157.4, & 169.3.

f. Includes broad & narrow woven fabrics and knit cloth.

g. Includes carpets & rugs.

h. Includes such products as lace & lace articles, polishing & dustcloths, braids, tassels, etc.

Note: In the case of blended or mixed fiber products, the quantities of each of the component fibers have been estimated and included in the proper category, e.g., in a polyester and cotton fabric, polyester portion is tabulated with man-made fiber and the cotton portion with cotton. A waste factor has been included to bring the data to the equivalent raw fiber consumption.

TABLE 3:
RAW FIBER EQUIVALENT OF IMPORTS, EXPORTS & BALANCE OF COTTON MANUFACTURES

MILLION POUNDS

COMMODITY	1986													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1986	1985
IMPORTS														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, ETC.[a]	6.7	8.5	9.7	9.0	8.8	8.6	11.7	8.7	8.0	7.6	8.8	8.6	104.7	56.3
CLOTH[b]	49.2	43.9	52.1	47.0	42.3	41.7	49.4	43.9	40.2	39.8	37.4	35.5	522.4	421.2
SUBTOTAL	**55.9**	**52.4**	**61.8**	**56.0**	**51.1**	**50.3**	**61.1**	**52.6**	**48.2**	**47.4**	**46.2**	**44.1**	**627.1**	**477.5**
MANUFACTURED PRODUCTS														
WEARING APPAREL	91.4	93.1	90.7	70.5	79.3	91.3	98.1	89.0	75.3	76.2	81.8	65.1	1001.8	895.5
INDUSTRIAL	3.8	4.8	4.2	3.4	3.8	3.8	4.1	3.7	2.9	3.1	3.9	4.0	45.5	32.4
HOME FURNISHINGS[c]	15.0	13.5	17.7	17.3	14.6	13.8	15.1	14.4	13.7	14.3	16.7	14.8	180.9	169.7
ALL OTHER[d]	2.5	2.2	2.4	2.2	2.2	2.7	2.4	2.4	2.1	1.6	1.9	1.4	26.0	38.6
SUBTOTAL	**112.7**	**113.6**	**115.0**	**93.4**	**99.9**	**111.6**	**119.7**	**109.5**	**94.0**	**95.2**	**104.3**	**85.3**	**1254.2**	**1136.2**
TOTAL IMPORTS	**168.6**	**166.0**	**176.8**	**149.4**	**151.0**	**161.9**	**180.8**	**162.1**	**142.2**	**142.6**	**150.5**	**129.4**	**1881.3**	**1613.7**
EXPORTS														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, ETC.[a]	1.5	1.2	1.8	1.1	1.7	1.3	1.0	1.2	1.5	1.7	1.6	1.0	16.6	25.8
CLOTH[c]	7.0	8.6	9.7	10.4	11.6	10.3	7.4	13.4	11.4	11.1	12.0	10.8	123.7	82.2
SUBTOTAL	**8.5**	**9.8**	**11.5**	**11.5**	**13.3**	**11.6**	**8.4**	**14.6**	**12.9**	**12.8**	**13.6**	**11.8**	**140.3**	**108.0**
MANUFACTURED PRODUCTS														
WEARING APPAREL	3.9	4.9	6.1	5.4	6.1	6.0	5.5	7.0	6.5	7.5	8.3	6.1	73.3	55.4
INDUSTRIAL	1.4	1.9	1.8	1.9	1.8	1.6	2.4	1.6	1.6	1.5	1.8	1.6	20.9	16.5
HOME FURNISHINGS[f]	2.4	2.3	2.9	5.4	3.0	2.5	2.4	2.9	2.6	3.0	3.6	3.2	36.2	30.4
ALL OTHER[g]	+	0.1	0.1	0.1	+	0.1	0.1	+	+	+	0.1	+	0.6	0.4
SUBTOTAL	**7.7**	**9.2**	**10.9**	**12.8**	**10.9**	**10.2**	**10.4**	**11.5**	**10.7**	**12.0**	**13.8**	**10.9**	**131.0**	**102.7**
TOTAL EXPORTS	**16.2**	**19.0**	**22.4**	**24.3**	**24.2**	**21.8**	**18.8**	**26.1**	**23.6**	**24.8**	**27.4**	**22.7**	**271.3**	**210.7**
BALANCE														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, ETC.	5.2 I	7.3 I	7.9 I	7.9 I	7.1 I	7.3 I	10.7 I	7.5 I	6.5 I	5.9 I	7.2 I	7.6 I	88.1 I	30.5 I
CLOTH	42.2 I	35.3 I	42.4 I	36.6 I	30.7 I	31.4 I	42.0 I	30.5 I	28.8 I	28.7 I	25.4 I	24.7 I	398.7 I	339.0 I
SUBTOTAL	**47.4 I**	**42.6 I**	**50.3 I**	**44.5 I**	**37.8 I**	**38.7 I**	**52.7 I**	**38.0 I**	**35.3 I**	**34.6 I**	**32.6 I**	**32.3 I**	**486.8 I**	**369.5 I**
MANUFACTURED PRODUCTS														
WEARING APPAREL	87.5 I	88.2 I	84.6 I	65.1 I	73.2 I	85.3 I	92.6 I	82.0 I	68.8 I	68.7 I	73.5 I	59.0 I	928.5 I	840.1 I
INDUSTRIAL	2.4 I	2.9 I	2.4 I	1.5 I	2.0 I	2.2 I	1.7 I	2.1 I	1.3 I	1.6 I	2.1 I	2.4 I	24.6 I	15.9 I
HOME FURNISHINGS	12.6 I	11.2 I	14.8 I	11.9 I	11.6 I	11.3 I	12.7 I	11.5 I	11.1 I	11.3 I	13.1 I	11.6 I	144.7 I	139.3 I
ALL OTHER	2.5 I	2.1 I	3.0 I	2.5 I	3.5 I	2.6 I	2.8 I	2.8 I	2.8 I	2.7 I	1.8 I	1.4 I	25.4 I	38.2 I
SUBTOTAL	**105.0 I**	**104.4 I**	**104.1 I**	**80.6 I**	**89.0 I**	**101.4 I**	**109.3 I**	**98.0 I**	**83.3 I**	**83.2 I**	**90.5 I**	**74.4 I**	**1123.2 I**	**1033.5 I**
TOTAL BALANCE	**152.4 I**	**147.0 I**	**154.4 I**	**125.1 I**	**126.8 I**	**140.1 I**	**162.0 I**	**136.0 I**	**118.6 I**	**117.8 I**	**123.1 I**	**106.7 I**	**1610.0 I**	**1403.0 I**

SOURCE: U.S. Department of Agriculture, Cotton and Wool Outlook & Situation.

a. Includes sliver, tops, roving, plied (textured and other), thrown and spun yarn, sewing thread and handwork yarns. Yarn singles (textured and other) are not included here; rather they are included in Column 13 page 52 of this issue.

Man-made fiber yarn exports do not include substantial quantities of indirect exports. Indirect exports are shipments which are billed to a domestic customer by a yarn producer but which are ultimately exported by the customer. Indirect export data are available for the years 1980-1986 only; the corresponding quantities for each year are,respectively (in millions of pounds): 142.4, 254.0, 166.2 , 83.1, 108.8, 162.0 & 95.2.

b. Includes broad & narrow woven fabrics and knit cloth. Cotton narrow fabrics are included in All Other.

c. Includes carpets & rugs. Lace window curtains are in All Other.

d. Includes such products as lace & lace articles, lace window curtains, braids, tassels, polishing & dustcloths, etc. For 1983, 1984, 1985 & 1986 cotton fiber include imports of soft-sided luggage. For those years the quantities were, respectively, 14.1, 18.7, 8.2, & 30.1.

e. Includes broad & narrow woven fabrics and knit cloth. Cotton also includes table damask, tire cord & fabric. Cotton knit fabrics and narrow fabrics are included in All Other.

f. Includes carpets & rugs.

g. Includes such products as lace & lace articles, polishing & dustcloths, braids, tassels, etc. Cotton also includes knits and narrow fabric.

Note: In the case of blended or mixed fiber products, the quantities of each of the component fibers have been estimated and included in the proper category, e.g., in a polyester and cotton fabric, polyester portion is tabulated with man-made fiber and the cotton portion with cotton. A waste factor has been included to bring the data to the equivalent raw fiber consumption.

TABLE 4:
RAW FIBER EQUIVALENT OF IMPORTS, EXPORTS & BALANCE OF WOOL MANUFACTURES

MILLION POUNDS

COMMODITY	1986												YEAR	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1986	1985
IMPORTS														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, ETC.[a]	0.8	0.8	1.2	1.1	1.2	1.6	1.6	1.3	0.9	0.9	1.3	0.8	13.5	14.1
CLOTH[b]	2.0	2.7	3.0	3.4	3.6	3.8	2.2	1.5	0.7	0.6	0.7	0.6	24.8	36.4
SUBTOTAL	**2.8**	**3.5**	**4.2**	**4.5**	**4.8**	**5.4**	**3.8**	**2.8**	**1.6**	**1.5**	**2.0**	**1.4**	**38.3**	**50.5**
MANUFACTURED PRODUCTS														
WEARING APPAREL[c]	6.2	6.0	5.2	6.2	10.5	17.1	24.5	24.3	18.2	16.2	12.9	6.8	154.1	137.0
INDUSTRIAL	NOMINAL QUANTITIES INCLUDED IN OTHER													
HOME FURNISHINGS[d]	5.7	5.5	5.2	4.8	4.6	5.1	5.2	4.7	4.2	4.6	5.9	5.8	61.3	60.8
ALL OTHER[e]	0.1	0.1	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	1.6	0.6
SUBTOTAL	**12.0**	**11.6**	**10.7**	**11.1**	**15.2**	**22.3**	**29.8**	**29.1**	**22.5**	**20.9**	**19.0**	**12.8**	**217.0**	**198.4**
TOTAL IMPORTS	**14.8**	**15.1**	**14.9**	**15.6**	**20.0**	**27.7**	**33.6**	**31.9**	**24.1**	**22.4**	**21.0**	**14.2**	**255.3**	**248.9**
EXPORTS														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, ETC.[a]	0.5	0.3	0.7	0.5	0.9	0.5	0.5	0.1	0.4	0.6	0.5	0.8	6.3	9.3
CLOTH[f]	0.2	0.2	0.1	0.4	0.3	0.2	0.2	0.1	0.2	0.1	0.1	0.2	2.3	1.6
SUBTOTAL	**0.7**	**0.5**	**0.8**	**0.9**	**1.2**	**0.7**	**0.7**	**0.2**	**0.6**	**0.7**	**0.6**	**1.0**	**8.6**	**10.9**
MANUFACTURED PRODUCTS														
WEARING APPAREL	0.2	0.2	0.6	0.3	0.4	0.4	0.2	0.3	0.3	0.3	0.4	0.2	3.8	3.9
INDUSTRIAL	NOMINAL QUANTITIES INCLUDED IN OTHER													
HOME FURNISHINGS[g]	+	+	+	+	+	+	+	+	+	+	+	+	+	3.3
ALL OTHER[h]	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.1	0.1	0.1	0.1	1.4	1.2
SUBTOTAL	**0.3**	**0.3**	**0.7**	**0.4**	**0.5**	**0.5**	**0.3**	**0.6**	**0.4**	**0.4**	**0.5**	**0.3**	**5.2**	**8.4**
TOTAL EXPORTS	**1.0**	**0.8**	**1.5**	**1.3**	**1.7**	**1.2**	**1.0**	**0.8**	**1.0**	**1.1**	**1.1**	**1.3**	**13.8**	**19.3**
BALANCE														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, ETC.	0.3 I	0.5 I	0.5 I	0.6 I	0.3 I	1.1 I	1.1 I	1.2 I	0.5 I	0.3 I	0.8 I	0	7.2 I	4.8 I
CLOTH	1.8 I	2.5 I	2.9 I	3.0 I	3.3 I	3.6 I	2.0 I	1.4 I	0.5 I	0.5 I	0.6 I	0.4 I	22.5 I	34.8 I
SUBTOTAL	**2.1 I**	**3.0 I**	**3.4 I**	**3.6 I**	**3.6 I**	**4.7 I**	**3.1 I**	**2.6 I**	**1.0 I**	**0.8 I**	**1.4 I**	**0.4 I**	**29.7 I**	**39.6 I**
MANUFACTURED PRODUCTS														
WEARING APPAREL	6.0 I	5.8 I	4.6 I	5.9 I	10.1 I	16.7 I	24.3 I	24.0 I	17.9 I	15.9 I	12.5 I	6.6 I	150.3 I	133.1 I
INDUSTRIAL	NOMINAL QUANTITIES INCLUDED IN OTHER													
HOME FURNISHINGS	5.7 I	5.5 I	5.2 I	4.8 I	4.6 I	5.1 I	5.2 I	4.7 I	4.2 I	4.6 I	5.9 I	5.8 I	61.3 I	57.5 I
ALL OTHER	0.1 E	0.1 E	0.1 E	0.1 E	0.1 E	0.1 E	0.1 E	0.1 E	0	0	0.1 I	0.1 I	0.2 I	0.6 E
SUBTOTAL	**11.7 I**	**11.3 I**	**10.0 I**	**10.7 I**	**14.7 I**	**21.8 I**	**29.5 I**	**28.5 I**	**22.1 I**	**20.5 I**	**18.5 I**	**12.5 I**	**211.8 I**	**190.0 I**
TOTAL BALANCE	**13.8 I**	**14.3 I**	**13.4 I**	**14.3 I**	**18.3 I**	**26.5 I**	**32.6 I**	**31.1 I**	**23.1 I**	**21.3 I**	**19.9 I**	**12.9 I**	**241.5 I**	**229.6 I**

SOURCE: U.S. Department of Agriculture, Cotton and Wool Outlook & Situation

a. Includes sliver, tops, roving, plied (textured and other), thrown and spun yarn, sewing thread and handwork yarns. Yarn singles (textured and other) are not included here; rather they are included in Column 13 page 52 of this issue.

Man-made fiber yarn exports do not include substantial quantities of indirect exports. Indirect exports are shipments which are billed to a domestic customer by a yarn producer but which are ultimately exported by the customer. Indirect export data are available for the years 1980 - 1986 only; the corresponding quantities for each year are ,respectively (in millions of pounds): 142.4, 254.0, 166.2, 83.1, 108.8, 162.0 & 95.2.

b. Includes broad & narrow woven fabrics and knit cloth. Wool knit fabrics are included in All Other.

c. Wool includes lace & lace articles, veils & veilings and nets & nettings.

d. Includes carpets & rugs. Lace window curtains are in All Other.

e. Includes such products as lace & lace articles, lace window curtains, braids, tassles, polishing & dustcloths, etc. Wool includes knit fabric in the piece, but not lace & lace articles, which are in Wearing Apparel.

f. Includes broad & narrow woven fabrics and knit cloth.

g. Includes carpets & rugs.

h. Includes such products as lace & lace articles, polishing & dustcloths, braids, tassels,etc.

Note: In the case of blended or mixed fiber products, the quantities of each of the component fibers have been estimated and included in the proper category, e.g., in polyester and cotton fabric, polyester portion is tabulated with man-made fiber and the cotton portion with the cotton. A waste factor has been included to bring the data to the equivalent raw fiber consumption.

GRAPH 3:
U.S. TEXTILE INDUSTRY MONTHLY TRADE BALANCE - TRADE IN ALL FIBERS & MANUFACTURES

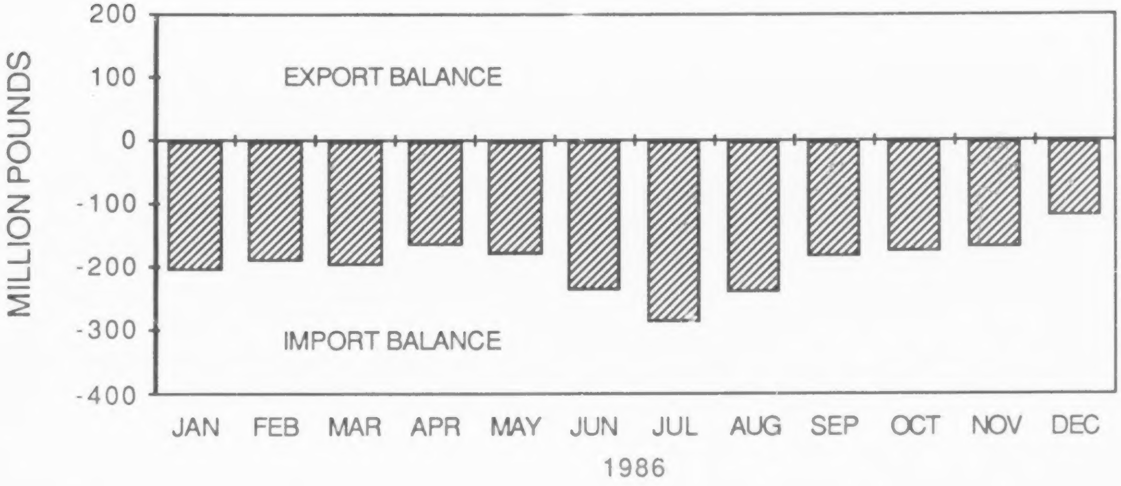


TABLE 5:
U.S. TEXTILE INDUSTRY MONTHLY TRADE BALANCE - TRADE IN ALL FIBERS AND MANUFACTURES

MILLION POUNDS

	MANUFACTURES				MAN-MADE	U. S.
1986	MMF IMP BALANCE	COTTON IMP BALANCE	WOOL IMP BALANCE	TOTAL IMP BALANCE	FIBER EXP BALANCE	INDUSTRY IMP BALANCE
JAN	102.6	152.4	13.8	268.8	65.6	**203.2**
FEB	94.7	147.0	14.3	256.0	66.3	**189.7**
MAR	90.9	154.4	13.4	258.7	60.0	**198.7**
APR	79.2	125.1	14.3	218.6	53.2	**165.4**
MAY	101.2	126.8	18.3	246.3	66.4	**179.9**
JUN	119.8	140.1	26.5	286.4	49.5	**236.9**
JUL	138.4	162.0	32.6	333.0	46.0	**287.0**
AUG	121.4	136.0	31.1	288.5	50.5	**238.0**
SEP	92.8	118.6	23.1	234.5	52.4	**182.1**
OCT	91.2	117.8	21.3	230.3	54.8	**175.5**
NOV	86.1	123.1	19.9	229.1	60.0	**169.1**
DEC	59.8	106.7	12.9	179.4	60.6	**118.8**

NOTE: The sum of the cotton, man-made fiber and wool manufactures net-import balances minus the man-made fiber net-export balance equals the total U.S. net-import textile trade balance.

GRAPH 4:
U.S. MAN-MADE FIBER INDUSTRY EMPLOYMENT

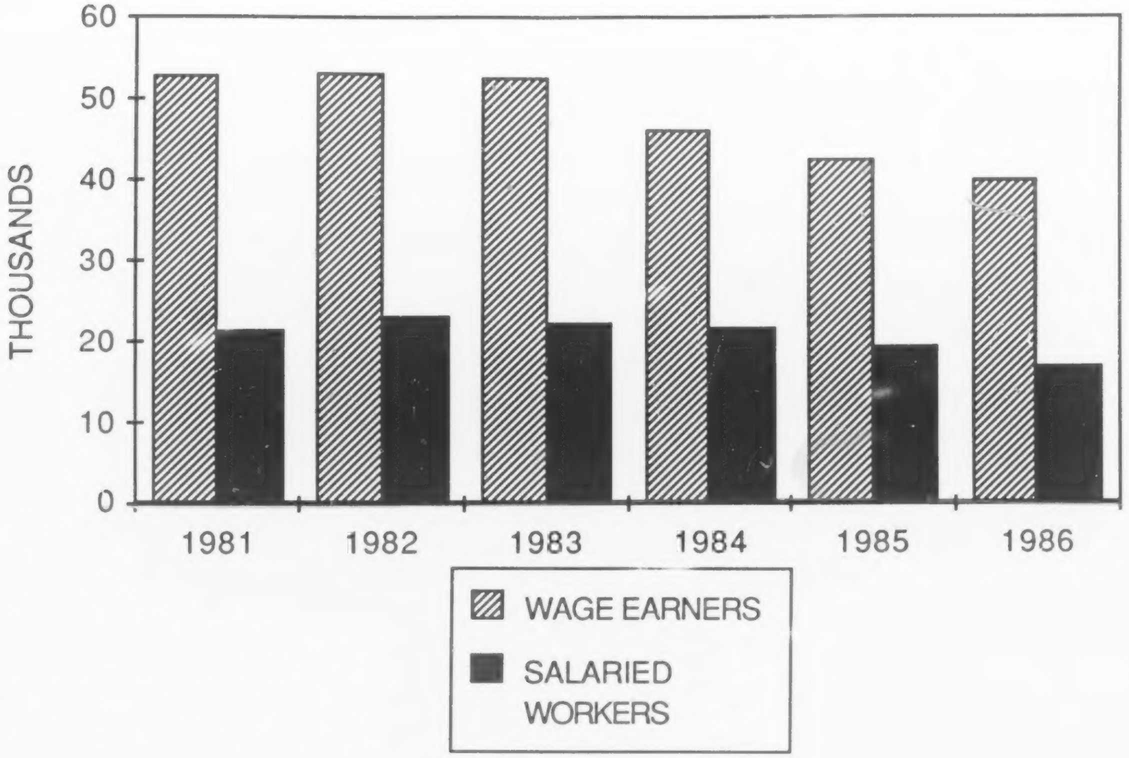


TABLE 6:
U.S. MAN-MADE FIBER INDUSTRY EMPLOYMENT[a]

YEAR	WAGE EARNERS	% CHANGE[b]	SALARIED WORKERS	% CHANGE[b]	TOTAL	% CHANGE[b]
1981	53100	--	21700	--	74800	--
1982	53339	+0.4	23172	+6.8	76511	+2.3
1983	52923	-0.8	22495	-3.0	75418	-1.4
1984	46291	-12.5	21893	-2.7	68184	-9.6
1985	42826	-7.5	19732	-9.9	62558	-8.3
1986	40228	-6.1	17048	-13.6	57276	-8.4

a. Includes wage earners and salaried workers in fiber operations only.
b. Percent change from previous year to current year.

1986: A YEAR IN PERSPECTIVE

In 1986, U.S. mill consumption of man-made fiber increased over 5%. This increase in annual consumption compares to cotton mill consumption which rose by 17.9% and a rise of 22.1% in the wool mill consumption (Graph 1).

The reason for the rise in man-made fiber mill consumption was a rise in nylon consumption of over 4% in 1986.

In comparing the total 1986 mill consumption for man-made fiber, cotton and wool, cotton and wool registered an increase in market share over man-made fiber. In 1986, the man-made fiber share of the total mill consumption fell to [illegible]0.9%, while cotton and wool rose to 27.7% and 1.4% respectively (Graph 1).

In 1986, exports of man-made fiber, cotton and wool manufactures rose to 791.3 million pounds, 14.6% above the 1985 export level of 690.3 million pounds. The balance of trade in the manufactures continues to deteriorate in 1986, showing a net-import balance of 3029.6 million pounds, 19.5% above the 1985 net-export balance of 2534.4 million pounds.

On the strength of greatly increased imports of manufactures, domestic consumption of man-made fiber, cotton and wool rose 10.7% in 1986 to 14945.6 million pounds (Graph 2).

In 1986, domestic consumption of man-made fiber totaled 9632.1 million pounds, up 7.4%; cotton totaled 4907.5 million pounds, an increase of 17.9% and wool totaled 406.0 million pounds, up 11.4% (Graph 3). Imports of manufactures rose 18.5% in 1986 to 3820.9 million pounds. Imports represented over 25% of domestic consumption in 1986. This compares to 24% in 1985, 23% in 1984 and 18% in 1983.

TABLE 7:
MILL CONSUMPTION BY FIBER
BILLION POUNDS

YEAR	RAYON	ACETATE[a]	NYLON[b]	POLYESTER	ACRYLIC[c]	OLEFIN	COTTON	WOOL	TOTAL
1970	0.9	0.5	1.3	1.6	0.5	0.2	3.8	0.3	9.1
1971	1.0	0.5	1.7	2.0	0.5	0.3	4.0	0.2	10.2
1972	1.0	0.4	2.1	2.5	0.6	0.4	3.9	0.2	11.1
1973	1.0	0.4	2.3	3.1	0.7	0.5	3.6	0.2	11.8
1974	0.8	0.3	2.0	2.9	0.6	0.5	3.3	0.1	10.5
1975	0.5	0.3	2.0	3.1	0.5	0.5	3.1	0.1	10.1
1976	0.6	0.3	2.1	3.3	0.6	0.5	3.4	0.1	10.9
1977	0.6	0.3	2.3	3.6	0.7	0.6	3.2	0.1	11.4
1978	0.6	0.3	2.5	3.7	0.6	0.7	3.0	0.1	11.5
1979	0.5	0.3	2.7	3.8	0.6	0.7	3.1	0.1	11.8
1980	0.5	0.3	2.3	3.5	0.6	0.7	3.1	0.1	11.1
1981	0.5	0.2	2.2	3.5	0.5	0.8	2.7	0.2	10.6
1982	0.3	0.2	1.9	2.9	0.5	0.8	2.5	0.1	9.2
1983	0.4	0.2	2.4	3.4	0.5	1.0	2.8	0.2	10.9
1984	0.4	0.2	2.4	3.2	0.5	1.0	2.7	0.2	10.6
1985	0.5[d]		2.4	3.1	0.5	1.5	2.8	0.1	10.9
1986	0.6[d]		2.5	3.2	0.6	1.5	3.3	0.2	11.9

NOTE: Data on Glass Fiber is no longer available due to company disclosure. The series, including Glass Fiber, was last published in the March 1985 issue.

[a] Includes triacetate. Cigarette tow is excluded.

[b] Includes Aramid for all years except 1983-1986.

[c] Includes modacrylic.

[d] Rayon and acetate combined.

TABLE 8:
U.S. MILL CONSUMPTION OF MAN-MADE FIBER, COTTON & WOOL
MILLION POUNDS & *PERCENT CHANGE*

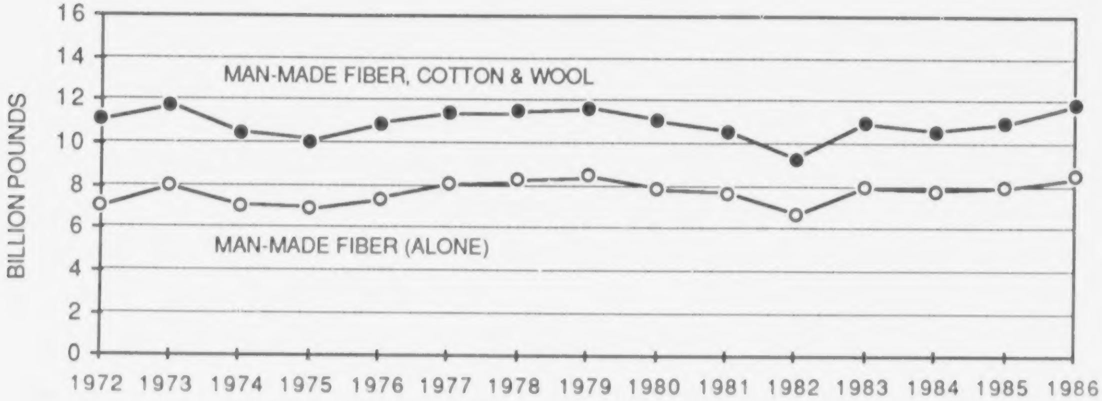
YEAR	MAN-MADE FIBER	%[a]	%[b]	COTTON	%[a]	%[b]	WOOL	%[a]	%[b]	TOTAL	%[a]	%[b]
1970	5096.0	--	*55.7*	3773.6	--	*41.3*	273.3	--	*3.0*	9142.9	--	*100.0*
1971	6062.5	*+19.0*	*59.2*	3965.1	*+5.1*	*38.7*	219.3	*-19.8*	*2.1*	10246.9	*+12.1*	*100.0*
1972	6996.5	*+15.4*	*63.1*	3849.8	*-2.9*	*34.7*	246.9	*+12.6*	*2.2*	11093.2	*+8.3*	*100.0*
1973	7988.2	*+14.2*	*67.6*	3643.3	*-5.4*	*30.8*	182.1	*-26.2*	*1.6*	11813.6	*+6.5*	*100.0*
1974	7067.2	*-11.5*	*67.4*	3306.1	*-9.3*	*31.5*	116.5	*-36.0*	*1.1*	10489.8	*-11.2*	*100.0*
1975	6883.0	*-2.6*	*68.3*	3068.7	*-7.2*	*30.4*	132.0	*+13.3*	*1.3*	10083.7	*-3.9*	*100.0*
1976	7374.9	*+7.1*	*67.6*	3389.0	*+10.4*	*31.1*	145.9	*+10.5*	*1.3*	10909.8	*+8.2*	*100.0*
1977	8096.2	*+9.8*	*71.0*	3169.8	*-6.5*	*27.8*	133.9	*-8.2*	*1.2*	11399.9	*+4.5*	*100.0*
1978	8341.0	*+3.0*	*72.4*	3040.4	*-4.1*	*26.4*	141.6	*+5.8*	*1.2*	11523.0	*+1.1*	*100.0*
1979	8523.4	*+2.2*	*72.7*	3066.4	*+0.9*	*26.2*	134.4	*-5.1*	*1.1*	11724.2	*+1.7*	*100.0*
1980	7885.7	*-7.5*	*71.1*	3064.4	*-0.1*	*27.7*	137.8	*+2.5*	*1.2*	11087.9	*-5.4*	*100.0*
1981	7721.5	*-2.1*	*72.8*	2730.8	*-10.9*	*25.8*	152.7	*+10.8*	*1.4*	10605.0	*-4.4*	*100.0*
1982	6653.5	*-13.8*	*71.8*	2478.9	*-9.2*	*26.8*	129.5	*-15.2*	*1.4*	9261.9	*-12.7*	*100.0*
1983	7994.5	*+20.2*	*73.0*	2795.7	*+12.8*	*25.5*	162.5	*+25.5*	*1.5*	10952.7	*+18.3*	*100.0*
1984	7789.5	*-2.6*	*73.3*	2668.2	*-4.6*	*25.2*	163.2	*+0.4*	*1.5*	10620.9	*-3.0*	*100.0*
1985	8035.5	*+3.2*	*73.3*	2796.0	*+4.8*	*25.5*	134.7	*-17.5*	*1.2*	10966.2	*+3.3*	*100.0*
1986	8454.0	*+5.2*	*70.9*	3297.5	*+17.9*	*27.7*	164.5	*+22.1*	*1.4*	11916.0	*+8.7*	*100.0*

NOTE: Data on Glass Fiber is no longer available due to company disclosure. The series, including Glass Fiber, was last published in the March 1985 issue.

[a] Percent change from year to year.

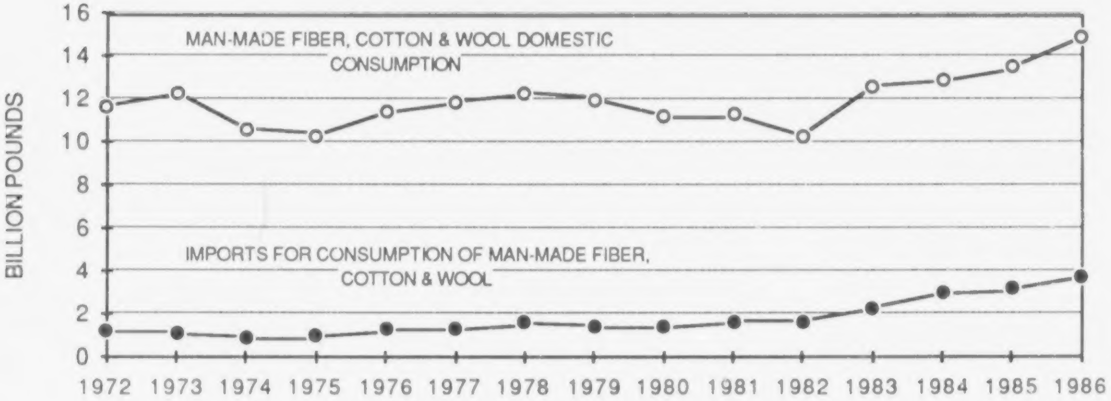
[b] Percent of total fiber consumption.

GRAPH 5: U.S. MILL CONSUMPTION OF MAN-MADE FIBER [a] COTTON & WOOL



a. Textile Glass Fiber no longer included.

GRAPH 6: DOMESTIC CONSUMPTION OF MAN-MADE FIBER, COTTON & WOOL VS. IMPORTS OF FIBER & MANUFACTURES



GRAPH 7: DOMESTIC CONSUMPTION DETAIL: MAN-MADE FIBER, COTTON & WOOL

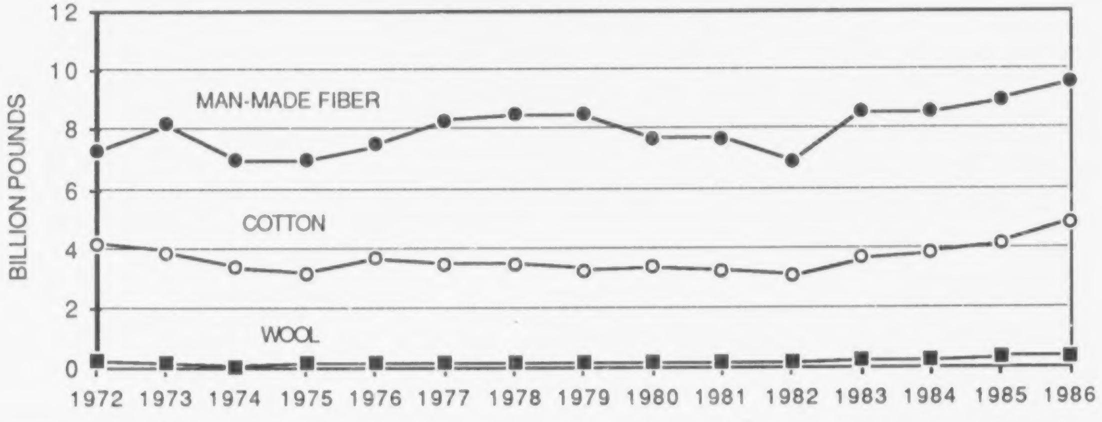


TABLE 9:
MAN-MADE FIBER PRODUCTION
ANNUALLY 1961 - 1986
MILLION POUNDS

YEAR	CELLULOSIC									NONCELLULOSIC FIBER [c-h]			TOTAL	NON-ADD TOTAL GLASS FIBER[i]
	RAYON YARN[a]			ACET YARN[b]	TOTAL YARN	STAPLE+TOW			TOTAL R+A					
	INDUS	TEXT	TOTAL			RAYON	ACET[b]	TOTAL		YARN	STAPLE	TOTAL		
1961	251.0	141.7	392.7	249.0	641.7	400.5	53.0	453.5	1095.2	497.2	253.7	750.9	1846.1	149.3
1962	272.0	148.4	420.4	305.7	726.1	500.0	46.0	546.0	1272.1	627.4	345.5	972.9	2245.0	190.3
1963	246.0	154.2	400.2	309.5	709.7	579.1	60.0	639.1	1348.8	712.8	443.2	1156.0	2504.8	191.9
1964	258.2	153.4	411.6	365.9	777.5	594.3	60.0	654.3	1431.8	847.6	559.1	1406.7	2838.5	239.5
1965	264.6	169.2	433.8	391.2	825.0	648.0	54.0	702.0	1527.0	997.7	782.4	1780.1	3307.1	282.3
1966	235.8	169.7	405.5	394.3	799.8	659.2	60.0	719.2	1519.0	1164.7	918.1	2082.8	3601.8	332.4
1967	161.2	147.9	309.1	425.6	734.7	603.4	50.0	653.4	1388.1	1215.4	1137.9	2353.3	3741.4	308.8
1968	202.4	162.9	365.3	439.9	805.2	739.1	50.0	789.1	1594.3	1662.1	1567.3	3229.4	4823.7	402.7
1969	168.6	150.6	319.2	455.2	774.7	758.8	43.0	801.8	1576.2	1766.9	1761.0	3527.9	5104.1	501.4
1970	146.4	121.2	267.6	463.2	730.8	607.4	35.0	642.4	1373.2	1793.4	1792.8	3586.2	4959.4	467.3
1971	180.4	123.0	303.4	449.3	752.7	611.7	26.5	638.2	1390.9	2187.9	2104.9	4292.8	5683.7	468.2
1972	146.7	105.0	251.7	401.4	653.1	713.2	28.0	741.2	1394.3	2773.3	2582.4	5355.7	6750.0	571.6
1973	121.7	76.4	198.1	437.2	635.3	696.7	25.0	721.7	1357.0	3339.6	2969.8	6309.4	7666.4	688.0
1974	112.9	58.9	171.8	361.6	533.4	645.4	20.0	665.4	1198.8	3443.0	2780.6	6223.6	7422.4	682.9
1975	46.1	18.7	64.8	301.3	366.1	370.9	12.0	382.9	749.0	3208.9	2676.8	5885.7	6634.7	546.5
1976	52.3	15.3	67.6	286.9	354.5	475.4	11.0	486.4	840.9	3306.4	3320.2	6626.6	7467.5	675.0
1977	55.3	15.4	70.7	282.0	352.7	527.0	8.0	535.0	887.7	3674.1	3653.8	7327.9	8215.6	786.7
1978	47.0	15.0	62.0	300.9	362.9	534.6	7.0	541.6	904.5	3830.3	3952.7	7783.0	8587.5	923.3
1979	41.7	15.1	56.8	316.6	373.4	549.4	7.0	556.4	929.8	4154.3	4282.3	8436.6	9366.4	1014.4
1980	32.2	15.0	47.2	308.5	355.7	443.3	7.0	450.3	806.0	3744.3	4148.2	7892.5	8698.5	867.3
1981	33.4	15.1	48.5	257.0	305.5	460.6	4.0	464.6	770.1	3814.8	4191.1	8005.9	8776.0	1041.1
1982	20.8	12.4	33.2	195.2	228.4	355.0	1.0	356.0	584.4	3057.4	3402.5	6459.9	7044.3	899.2
1983	25.0	11.2	36.2	227.6	263.8	374.8	1.4	376.2	640.0	3567.8	3970.6	7538.4	8178.4	1167.2
1984	28.8	12.1	40.9	198.2	239.1	389.2	0.4	389.6	628.7	3524.4	3947.3	7471.7	8100.4	1394.0
1985	NA	NA	NA	NA	204.6	352.7	0.5	353.2	557.8	3790.2	3773.3	7563.5	8121.3	NA
1986	NA	NA	NA	NA	214.8	403.7	0.5	404.2	619.0	3835.9	3991.8	7827.7	8446.7	NA

See footnotes on opposite page.

TABLE 10:
NONCELLULOSIC FIBER PRODUCTION DETAIL
MILLION POUNDS

	YARN+MONOFILAMENTS					STAPLE+TOW+FIBERFILL				
YEAR	NYLON[c]	OLEFIN[d]	ESTER[e]	OTHER[f]	TOTAL	NYLON[c]	ACRYL[g]	ESTER[e]	OTHER[h]	TOTAL
1961	441.7	18.9	36.6		497.2	34.2	140.1	77.4	2.0	253.7
1962	562.0	24.3	41.1		627.4	50.7	170.0	119.6	5.2	345.5
1963	630.0	30.3	52.5		712.8	61.5	209.7	166.6	5.4	443.2
1964	736.1	45.4	66.1		847.6	69.3	287.7	192.4	9.7	559.1
1965	846.1	65.6	86.0		997.7	93.7	368.4	305.2	15.1	782.4
1966	961.4	100.8	102.5		1164.7	118.7	352.9	409.3	37.2	918.1
1967	944.6	118.0	152.8		1215.4	124.6	397.7	568.1	47.5	1137.9
1968	1188.4	206.6	267.1		1662.1	162.1	521.0	827.3	56.9	1567.3
1969	1188.0	202.7	376.2		1766.9	223.2	553.0	938.8	66.0	1761.0
1970	1137.9	200.4	455.1		1793.4	216.8	491.9	1022.3	61.8	1792.8
1971	1237.9	261.8	688.2		2187.9	357.4	545.2	1142.5	59.8	2104.9
1972	1463.9	346.5	951.7	11.2	2773.3	510.6	625.9	1376.2	69.7	2582.4
1973	1582.8	423.8	1319.8	13.2	3339.6	591.9	742.1	1568.0	67.8	2969.8
1974	1560.0	463.1	1408.0	11.9	3443.0	563.7	631.2	1517.5	68.2	2780.6
1975	1295.4	442.9	1458.9	11.7	3208.9	561.9	524.6	1536.2	54.1	2676.8
1976	1372.5	515.7	1404.7	13.5	3306.4	702.7	621.0	1935.6	60.9	3320.2
1977	1512.4	554.1	1592.1	15.5	3674.1	813.7	708.8	2050.1	81.2	3653.8
1978	1654.0	596.6	1563.7	16.0	3830.3	895.9	725.7	2235.8	95.3	3952.7
1979	1781.6	639.1	1715.6	18.0	4154.3	938.8	761.1	2462.2	120.2	4282.3
1980	1631.1	632.2	1462.0	19.0	3744.3	726.6	779.2	2526.7	115.7	4148.2
1981	1580.7	642.9	1569.2	22.0	3814.8	751.8	690.8	2606.5	142.0	4191.1
1982	1241.6	585.2	1213.6	17.0	3057.4	685.0	624.1	1955.2	138.2	3402.5
1983	1492.2	716.1	1359.5	NA	3567.8	926.4	670.5	2184.1	189.6	3970.6
1984	1577.3	747.1	1200.0	NA	3524.4	834.8	670.8	2191.8	249.9	3947.3
1985	1514.8	954.5	1320.9	NA	3790.2	827.7	630.8	2020.1	294.7	3773.3
1986	1605.5	1057.7	1172.7	NA	3835.9	908.3	615.9	2132.3	335.3	3991.8

NOTE: Data on Glass Fiber is no longer available due to company disclosure. The series, including Glass Fiber, was last published in the March 1985 issue.

NA No longer available.

a. Includes industrial (high tenacity) yarn and textile (regular+intermediate tenacity) yarn+monofilaments. Beginning January 1965, the high tenacity rayon yarn of 900 denier & finer is tabulated with regular tenacity yarn.

b. Includes diacetate and triacetate. The acetate staple+tow data do not include the quantities produced for cigarette filtration purposes.

c. Excludes aramid in 1983-1986.

d. Includes polypropylene yarn+monofilaments+spunbonded+film fiber.

e. Ester means polyester.

f. Other yarn is chiefly saran and spandex in recent years.

g. Includes modacrylic.

h. Other staple+tow includes only olefin and vinyon for recent years. Earlier years' data are on pages 8 & 9 of the January 1962 *Organon* Base Book issue and page 4 of the January-February 1971 issue.

i. Includes both textile and non-textile types of glass.

TABLE 11:
CELLULOSIC MAN-MADE FIBER DISTRIBUTION
ANNUALLY 1961 - 1986
MILLION POUNDS

	YARN+MONOFILAMENTS							STAPLE+TOW							TOTAL GLASS FIBER[i]				
	PRODUCERS' SHIPMENTS					IM-PORTS	DO-MESTIC CONS	PRODUCERS' SHIPMENTS					IM-PORTS	DO-MESTIC CONS	PRODUCERS' SHIPMENTS			IM-PORTS	DO-MESTIC CONS
	TO DOM. CONSUMERS a b			EX-PORTS	TOTAL			TO DOM. CONSUMERS			EX-PORTS	TOTAL							
YEAR	RAYON	ACET	TOTAL					RAYON	ACET[b]	TOTAL					DO-MESTIC	EX-PORTS	TOTAL		
1961	385.2	240.8	626.0	33.1	659.1	1.8	627.8	441.8	51.4	463.2	2.8	466.0	37.0	500.2	147.2	6.0	153.2	--	147.2
1962	384.6	281.7	666.3	44.9	711.2	2.6	668.9	499.2	44.4	543.6	3.8	547.4	50.9	594.5	177.5	6.6	184.1	--	177.5
1963	380.7	305.0	685.7	39.7	725.4	1.7	687.4	578.8	57.5	636.3	4.9	641.2	116.5	752.8	182.0	8.5	190.5	--	182.0
1964	399.6	363.8	763.4	28.5	791.9	5.2	768.6	575.7	57.5	633.2	7.7	640.9	114.5	747.7	220.6	11.8	232.4	--	220.6
1965	409.3	366.4	775.7	22.1	797.8	6.8	782.5	636.3	54.4	690.7	8.4	699.1	77.2	767.9	268.2	18.7	286.9	--	268.2
1966	389.6	387.5	777.1	15.2	792.3	3.7	780.8	636.5	59.0	695.5	9.4	704.9	114.8	810.3	314.2	7.9	322.1	1.1	315.3
1967	311.1	421.0	732.1	18.2	750.3	7.7	739.8	625.9	49.5	675.4	4.3	679.7	85.0	760.4	302.7	8.2	310.9	1.0	303.7
1968	353.5	426.4	779.9	17.6	797.5	14.6	794.5	720.0	48.5	768.5	5.4	773.9	125.0	893.5	383.7	12.1	395.8	0.1	383.8
1969	294.7	444.7	739.4	16.0	755.4	4.1	743.5	737.9	42.3	780.2	5.0	785.2	91.2	871.4	460.4	17.7	478.1	0.1	460.5
1970	251.1	444.8	695.9	38.3	734.2	3.7	699.6	599.9	34.3	634.2	7.8	642.0	80.6	714.8	404.2	29.9	434.1	0.7	404.9
1971	297.0	432.3	729.3	33.2	762.5	5.2	734.5	643.6	26.2	669.8	3.7	673.5	81.3	751.1	464.9	17.4	482.3	1.8	466.7
1972	246.9	385.9	632.8	23.9	656.7	10.8	643.6	690.7	27.7	718.4	2.0	720.4	51.3	769.7	559.8	17.5	577.3	9.4	569.2
1973	197.6	392.3	589.9	60.7	650.6	18.1	608.0	709.5	25.0	734.5	14.7	749.2	47.4	781.9	663.0	36.5	699.5	13.0	676.0
1974	153.1	320.3	473.4	48.8	522.2	9.2	482.6	569.5	19.7	589.2	36.0	625.2	38.7	627.9	619.3	38.0	657.3	11.5	630.8
1975	74.9	293.7	368.6	32.9	401.5	9.2	377.8	373.4	12.0	385.4	20.2	405.6	37.9	423.3	524.6	18.3	542.9	8.9	533.5
1976	65.1	249.4	314.5	40.3	354.8	25.1	339.6	461.0	11.0	472.0	35.6	507.6	43.2	515.2	663.3	35.0	698.3	14.3	677.6
1977	68.1	259.4	327.5	25.2	352.7	23.5	351.0	444.9	8.0	452.9	62.3	515.2	57.8	510.7	769.3	28.9	798.2	22.0	791.3
1978	63.0	274.6	337.6	27.6	365.2	25.7	363.3	459.2	7.0	466.2	96.5	562.7	41.1	507.3	864.9	27.7	892.6	21.8	886.7
1979	55.0	288.4	343.4	31.8	375.2	13.3	356.7	442.4	7.0	449.4	100.1	549.5	16.5	465.9	912.2	48.3	960.5	10.4	922.6
1980	47.5	269.2	316.7	32.7	349.4	8.3	325.0	390.7	7.0	397.7	61.0	458.7	10.3	408.0	867.1	48.6	915.7	7.3	874.4
1981	46.6	226.3	272.9	34.8	307.7	10.7	283.6	396.9	4.0	400.9	59.8	460.7	16.8	417.7	963.8	35.2	999.0	18.2	982.0
1982	30.1	169.0	199.1	29.8	228.9	7.0	206.1	293.7	1.0	294.7	66.5	361.2	13.4	308.1	861.5	42.9	904.4	14.1	875.6
1983	35.5	197.6	233.1	28.2	261.3	8.7	241.8	333.5	1.4	334.9	43.9	378.8	13.6	348.5	1146.1	37.4	1183.5	20.0	1166.1
1984	38.2	180.1	218.3	18.2	236.5	10.0	228.3	331.9	0.4	332.3	52.1	384.4	17.0	349.3	1250.7	58.0	1308.7	23.1	1273.8
1985	NA	NA	187.1	23.0	210.1	13.9	201.0	323.7	0.5	324.2	35.0	359.2	12.3	336.5	NA	NA	1259.6	34.7	NA
1986	NA	NA	192.1	20.2	212.3	17.0	209.1	373.0	0.5	373.5	30.8	404.3	17.4	390.9	NA	NA	1339.3	23.7	NA

See footnotes on opposite page.

TABLE 12:
NONCELLULOSIC MAN-MADE FIBER DISTRIBUTION
ANNUALLY 1961 - 1986
MILLION POUNDS

YEAR	YARN+MONOFILAMENTS									STAPLE+TOW+FIBERFILL								
	PRODUCERS' SHIPMENTS							IM-PORTS	DO-MESTIC CONS	PRODUCERS' SHIPMENTS							IM-PORTS	DO-MESTIC CONS
	TO DOMESTIC CONSUMERS					EX-PORTS	TOTAL			TO DOMESTIC CONSUMERS					EX-PORTS	TOTAL		
	NYLON[c]	OLEFIN[d]	ESTER[e]	OTH[f]	TOTAL					NYLON[c]	ACRYL[g]	ESTER[e]	OTH[h]	TOTAL				
1961	419.0	17.5	36.1		472.6	25.2	497.8	4.7	477.3	36.0	123.8	70.9	3.0	233.7	22.3	256.0	3.2	236.9
1962	503.1	22.5	38.1		563.7	41.1	604.8	7.0	570.7	47.5	147.1	115.3	3.6	313.5	20.3	333.8	13.9	327.4
1963	570.9	29.1	48.9		648.9	43.2	692.1	6.3	655.2	54.3	201.5	150.7	5.0	411.5	18.3	429.8	8.8	420.3
1964	685.9	44.2	63.6		793.7	62.8	856.5	3.7	797.4	68.3	263.2	177.5	8.6	517.6	34.1	551.7	19.2	536.8
1965	781.9	60.1	77.2		919.2	46.1	965.3	8.5	927.7	85.1	324.5	290.4	13.5	713.5	32.3	745.8	52.1	765.6
1966	880.0	94.6	81.4	13.4	1069.4	54.4	1123.8	12.5	1081.9	108.8	328.0	372.1	33.1	842.0	39.7	881.7	61.0	903.0
1967	907.4	116.1	133.0	11.8	1168.3	58.6	1226.9	16.4	1184.7	120.6	371.2	537.2	40.5	1069.5	60.3	1129.8	63.2	1132.7
1968	1085.8	199.0	226.7	10.5	1522.0	84.5	1606.5	33.7	1555.7	157.2	467.1	756.1	52.4	1432.8	72.2	1505.0	89.8	1522.6
1969	1063.4	188.6	353.6	10.9	1616.5	84.9	1701.4	32.5	1649.0	202.7	473.4	883.3	61.7	1621.1	100.3	1721.4	67.5	1688.6
1970	1052.6	187.0	433.0	10.0	1682.6	82.3	1764.9	120.8	1803.4	201.2	430.7	992.9	57.3	1682.1	108.6	1790.7	57.7	1739.8
1971	1206.7	246.5	636.8	10.1	2100.1	78.5	2178.6	234.4	2334.5	330.1	463.7	1111.4	58.9	1964.1	130.5	2094.6	93.3	2057.4
1972	1430.6	312.4	935.4	11.4	2689.8	87.4	2777.2	224.5	2914.3	476.6	536.0	1286.9	63.6	2363.1	174.1	2537.2	103.7	2466.8
1973	1544.7	395.4	1320.5	13.1	3273.7	127.4	3401.1	140.1	3413.8	586.8	662.0	1530.3	69.3	2848.4	233.0	3081.4	112.8	2961.2
1974	1408.8	426.3	1295.2	12.0	3142.3	140.6	3282.9	92.1	3234.4	487.8	514.9	1388.1	59.7	2450.5	195.3	2645.8	73.2	2523.7
1975	1289.7	436.1	1477.0	12.0	3214.8	104.5	3319.3	53.8	3268.6	557.9	467.3	1473.6	54.7	2553.5	209.9	2763.4	55.2	2608.7
1976	1279.3	482.0	1373.9	12.0	3147.2	138.5	3285.7	64.0	3211.2	665.4	517.3	1777.2	58.6	3018.5	247.4	3265.9	67.3	3085.8
1977	1396.2	539.6	1510.6	15.0	3461.4	159.0	3620.4	92.5	3553.9	791.7	619.8	1880.3	81.3	3373.1	270.0	3643.1	52.9	3426.0
1978	1539.1	579.7	1507.6	15.5	3641.9	197.5	3839.4	52.2	3694.1	876.4	571.6	1967.5	90.0	3505.5	411.4	3916.9	60.5	3566.0
1979	1631.3	624.2	1525.1	17.0	3797.6	319.3	4116.9	20.0	3817.6	913.2	546.6	2134.4	119.3	3713.5	593.2	4306.7	39.3	3752.8
1980	1538.9	611.7	1363.4	18.0	3532.0	301.8	3833.8	19.6	3551.6	711.2	585.3	2071.0	115.0	3482.5	689.8	4172.3	35.6	3518.1
1981	1404.3	628.3	1430.0	20.5	3483.1	282.5	3765.6	18.9	3502.0	696.4	494.1	2005.4	132.0	3327.9	820.4	4148.3	60.5	3388.4
1982	1165.6	577.0	1134.8	16.5	2893.9	220.2	3114.1	23.8	2917.7	673.3	457.9	1767.5	138.9	3037.6	369.9	3407.5	51.2	3088.8
1983	1392.4	698.6	1294.4	NA	3385.4	187.3	3572.7	48.3	3433.7	897.1	492.2	2099.2	183.4	3671.9	281.5	3953.4	101.4	3773.3
1984	1438.1	725.6	1144.9	NA	3308.6	189.0	3497.6	90.0	3398.6	814.4	446.7	1992.2	240.9	3494.2	442.4	3936.6	131.1	3625.3
1985	1417.4	937.6	1204.2	NA	3559.2	240.2	3799.4	104.6	3663.8	830.3	458.7	1872.7	279.7	3441.4	372.8	3814.2	159.4	3600.8
1986	1479.6	1049.2	1092.4	NA	3621.2	200.6	3821.8	126.1	3747.3	894.9	531.2	1998.6	312.7	3737.4	239.8	3977.2	182.8	3920.2

NA No longer available.

Domestic consumption (CONS) means the sum of producers' domestic shipments and imports for consumption.

Imports for consumption (IMPORTS): yarn+monofil includes yarn singles, monofilaments & strips; staple+tow includes grouped filaments. Not included here are plied, spun & handwork yarn, sewing thread, sliver, tops & roving and waste.

a-i See these lettered footnotes on page 47.

Noncellulosic data from 1940 are on page January-February 1971 issue. Rayon+acetate data from 1911 are on page 9 of the January 1962 *Organon* Base Book.

TABLE 13:
U.S. MILL CONSUMPTION OF FIBER AND DOMESTIC CONSUMPTION OF FIBER & PRODUCTS
MILLION POUNDS & *PERCENT*

	MAN-MADE FIBER MILL CONSUMPTION= PRODUCERS' SHIPMENTS (DOM) PLUS IMPORTS FOR CONSUMPTION (IMP)																					
	CELLULOSIC FIBER											NONCELLULOSIC FIBER										
	YARN+MONOFIL			STAPLE+TOW			WASTE					YARN+MONOFIL			STAPLE+TOW			WASTE				
YEAR	DOM	IMP	TOTAL	DOM	IMP	TOTAL	SHIP	IMP	EXP	NET	TOTAL	DOM	IMP	TOTAL	DOM	IMP	TOTAL	SHIP	IMP	EXP	NET	TOTAL
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)
1970	695.9	3.7	699.6	634.2	80.6	714.8	34.5	0.1	22.9	11.7	1426.1	1682.6	120.8	1803.4	1682.1	57.7	1739.8	136.3	21.7	31.3	126.7	3669.9
1971	729.3	5.2	734.5	669.8	81.3	751.1	36.3	--	15.9	20.4	1506.0	2100.1	234.4	2334.5	1964.1	93.3	2057.4	157.8	36.2	29.4	164.6	4556.5
1972	632.8	10.8	643.6	718.4	51.3	769.7	38.5	--	23.6	14.9	1428.2	2689.8	224.5	2914.3	2363.1	103.7	2466.8	202.7	48.0	63.5	187.2	5568.3
1973	589.9	18.1	608.0	734.5	47.4	781.9	36.8	--	37.5	-0.7	1389.2	3273.7	140.1	3413.8	2848.4	112.8	2961.2	274.8	47.8	98.6	224.0	6599.0
1974	473.4	9.2	482.6	589.2	38.7	627.9	29.9	0.2	33.0	-2.9	1107.6	3142.3	92.1	3234.4	2450.5	73.2	2523.7	246.4	46.3	91.2	201.5	5959.6
1975	368.6	9.2	377.8	385.4	37.9	423.3	13.2	0.1	12.4	0.9	802.0	3214.8	53.8	3268.6	2553.5	55.2	2608.7	228.7	25.0	50.0	203.7	6081.0
1976	314.5	25.1	339.6	472.0	43.2	515.2	14.7	0.4	14.6	0.5	855.3	3147.2	64.0	3211.2	3018.5	67.3	3085.8	262.3	30.5	70.2	222.6	6519.6
1977	327.5	23.5	351.0	452.9	57.8	510.7	18.5	0.6	12.6	6.5	868.2	3461.4	92.5	3553.9	3373.1	52.9	3426.0	291.0	23.2	66.1	248.1	7228.0
1978	337.6	25.7	363.3	466.2	41.1	507.3	15.7	0.4	7.0	9.1	879.7	3641.9	52.2	3694.1	3505.5	60.5	3566.0	263.9	26.0	88.7	201.2	7461.3
1979	343.4	13.3	356.7	449.4	16.5	465.9	17.2	0.8	9.6	8.4	831.0	3797.6	20.0	3817.6	3713.5	39.3	3752.8	238.6	21.1	137.7	122.0	7692.4
1980	316.7	8.3	325.0	397.7	10.3	408.0	13.5	0.3	6.1	7.7	740.7	3532.0	19.6	3551.6	3482.5	35.6	3518.1	170.2	21.5	116.4	75.3	7145.0
1981	272.9	10.7	283.6	400.9	16.8	417.7	15.3	0.5	2.8	13.0	714.3	3483.1	18.9	3502.0	3327.9	60.5	3388.4	174.2	49.9	107.3	116.8	7007.2
1982	199.1	7.0	206.1	294.7	13.4	308.1	10.7	0.4	3.2	7.9	522.1	2893.9	23.8	2917.7	3037.6	51.2	3088.8	173.2	37.8	86.1	124.9	6131.4
1983	233.1	8.7	241.8	334.9	13.6	348.5	9.4	0.3	1.4	8.3	598.6	3385.4	48.3	3433.7	3671.9	101.4	3773.3	214.1	46.1	71.3	188.9	7395.9
1984	218.3	10.0	228.3	332.3	17.0	349.3	11.4	0.5	1.6	10.3	587.9	3308.6	90.0	3398.6	3494.2	131.1	3625.3	216.9	50.5	89.7	177.7	7201.6
1985	187.1	13.9	201.0	324.2	12.3	336.5	8.8	0.5	1.2	8.1	545.6	3559.2	104.6	3663.8	3441.4	159.4	3600.8	260.2	40.7	75.6	225.3	7489.9
1986	192.1	17.0	209.1	373.5	17.4	390.9	10.4	0.1	2.2	8.3	608.3	3621.2	126.1	3747.3	3737.4	182.8	3920.2	261.6	40.3	123.7	178.2	7845.7

See footnotes on opposite page.

TABLE 13:
U.S. MILL CONSUMPTION OF FIBER AND DOMESTIC CONSUMPTION OF FIBER & PRODUCTS *(CONTINUED)*
MILL POUNDS & *PERCENT*

	MILL CONSUMPTION OF 4 FIBERS										DOMESTIC CONSUMPTION OF 3 FIBERS (CONS)+MILL CONSUMPTION+IMPORTS (IMP) LESS EXPORTS (EXP) OF SEMIMANUFACTURED & MANUFACTURED PRODUCTS											
	MAN-MADE FIBER		COTTON		WOOL		SILK		TOTAL		MAN-MADE FIBER			COTTON			WOOL			TOTAL		
YEAR	LB	%	LB	%	LB	%	LB	%	LB	%	IMP	EXP	CONS	IMP	EXP	CONS	IMP	EXP	CONS	IMP	EXP	CONS
	(23)		(24)		(25)		(26)		(27)		(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)
1970	5096.0	*55.7*	3773.6	*41.3*	273.3	*3.0*	1.8	--	9144.7	*100.0*	329.3	147.1	5278.2	463.1	199.2	4037.5	85.9	4.9	354.3	878.3	351.2	9670.0
1971	6062.5	*59.2*	3965.1	*38.7*	219.3	*2.1*	1.7	--	10248.6	*100.0*	451.1	146.7	6366.9	492.6	226.4	4231.3	66.2	9.4	276.1	1009.9	382.5	10874.3
1972	6996.5	*63.1*	3849.8	*34.7*	246.9	*2.2*	2.1	--	11095.3	*100.0*	480.4	177.6	7299.3	610.7	290.4	4170.1	63.0	30.6	279.3	1154.1	498.6	11748.7
1973	7988.2	*67.6*	3643.3	*30.9*	182.1	*1.5*	3.3	--	11816.9	*100.0*	465.3	288.2	8165.3	563.5	325.2	3881.6	61.3	30.8	212.6	1090.1	644.2	12259.5
1974	7067.2	*67.4*	3306.1	*31.5*	116.5	*1.1*	2.6	--	10492.4	*100.0*	371.3	390.7	7047.8	502.7	392.5	3416.3	53.3	23.0	146.8	927.3	806.2	10610.9
1975	6883.0	*68.3*	3068.7	*30.4*	132.0	*1.3*	1.0	--	10084.7	*100.0*	400.4	322.4	6961.0	501.3	353.7	3216.3	48.6	19.2	161.4	950.3	695.3	10338.7
1976	7374.9	*67.6*	3389.0	*31.1*	145.9	*1.3*	2.8	--	10912.6	*100.0*	479.5	352.2	7502.2	708.6	413.2	3684.4	66.7	13.9	198.7	1254.8	779.3	11385.3
1977	8096.2	*71.0*	3169.8	*27.8*	133.9	*1.2*	1.6	--	11401.5	*100.0*	530.7	367.7	8259.2	669.4	369.5	3469.7	85.9	11.5	208.3	1286.0	748.7	11937.2
1978	8341.0	*72.4*	3040.4	*26.4*	141.6	*1.2*	2.0	--	11525.0	*100.0*	642.6	441.7	8541.9	845.4	355.7	3530.1	92.2	11.6	222.2	1580.2	809.0	12294.2
1979	8523.4	*72.7*	3066.4	*26.2*	134.4	*1.1*	1.5	--	11725.7	*100.0*	525.0	596.6	8451.8	746.1	478.0	3334.5	80.6	14.0	201.0	1351.7	1088.6	11987.3
1980	7885.7	*71.1*	3064.4	*27.7*	137.8	*1.2*	+	--	11087.9	*100.0*	540.6	771.5	7654.8	810.9	523.1	3352.2	85.1	23.8	199.1	1436.6	1318.4	11206.1
1981	7721.5	*72.8*	2730.8	*25.8*	152.7	*1.4*	2.0	--	10607.0	*100.0*	639.1	637.7	7722.9	961.9	367.3	3325.4	93.1	11.8	234.0	1694.1	1016.8	11282.3
1982	6653.5	*71.8*	2478.9	*26.8*	129.5	*1.4*	2.0	--	9263.9	*100.0*	697.9	438.5	6912.9	897.2	253.4	3122.7	100.1	10.8	218.8	1695.2	702.7	10254.4
1983	7994.5	*73.0*	2795.7	*25.5*	162.5	*1.5*	2.0	--	10954.7	*100.0*	1069.4	460.7	8603.2	1135.4	219.6	3711.5	131.1	18.9	274.7	2335.9	699.2	12589.4
1984	7789.5	*73.3*	2668.2	*25.2*	163.2	*1.5*	3.0	--	10623.9	*100.0*	1342.0	488.0	8642.5	1464.8	204.6	3928.4	189.4	15.1	337.5	2996.2	707.7	12908.4
1985	8035.5	*73.3*	2796.0	*25.5*	134.7	*1.2*	3.0	--	10969.2	*100.0*	1397.0	460.3	8972.2	1578.8	210.7	4164.1	248.9	19.3	364.3	3224.7	690.3	13500.6
1986	8454.0	*70.9*	3297.5	*27.7*	164.5	*1.4*	3.0	--	11916.0	*100.0*	1684.3	506.2	9632.1	1881.3	271.3	4907.5	255.3	13.8	406.0	3820.9	791.3	14945.6

NOTE: Data on Glass Fiber is no longer available due to company disclosure. The series, including Glass Fiber, was last published in the March 1985 issue.
This table, expanded to include the New MFA Fibers, will be reproduced in a forthcoming issue.

SOURCES OF DATA, ARRANGED BY COLUMN NUMBER ( ):

All Census import and export commodity numbers are as of January 1987.

1&4: This issue on page 50.
12&15: This issue on page 51.
7&18: This issue on page 55.
2: Import Classes 309.0310, .0610, .2000, 310.0106, .0130, .0206, .0230 & .0610.
5: Import Classes 309.3010, .3310, .4320 & .4325.
8: Import Classes 309.6615 & .7510.
9: Export Class 309.7400.
13: Import Classes 309.0200, .0330, .0340, .0365, .0500, .0630, .0640, .0665, .2100, .2500, 310.0107, .0108, .0110, .0114, .0149, .0150, .0170, .0207, .0208, .0210, .0214, .0249, .0250, .0270, .0550, .0630 & .0650.
16: Import Classes 309.3030, .3040, .3050, .3065, .3200, .3340, .3350, .3365, .4331, .4336, .4341, .4351, .4361, .4366, .4371 & .4390.
19: Import Classes 309.6625, .6630, .6645, .6660, .7000 & .7525 - .7555.
20: Export Classes 309.7620, .7630, .7640 & .7660.
24: U.S. Census Bureau Report M22P.
25: U.S. Census Bureau Report M22D.
26: Import Classes 308.0200 - .2000.
28, 29, 31, 32, 34 & 35: Cotton and Wool Outlook & Situation (U.S. Department of Agriculture).

CERTAIN TOTALS IN THE TABLES:

(Obvious totals such as Columns 1+2=3, 4+5=6, etc. are not described here.)

10: Columns 7+8-9
21: Columns 18+19-20
23: Columns 11+22
30: Columns 23+28-29
33: Columns 24+31-32
36: Columns 25+34-35

TABLE 14:
RAW FIBER EQUIVALENT OF IMPORTS & EXPORTS OF MAN-MADE FIBER, COTTON & WOOL MANUFACTURES
MILLION POUNDS

COMMODITY	MAN-MADE FIBER							COTTON							WOOL						
	ANNUAL AVERAGE 1972-1976	ANNUAL AVERAGE 1977-1981	1982	1983	1984	1985	1986	ANNUAL AVERAGE 1972-1976	ANNUAL AVERAGE 1977-1981	1982	1983	1984	1985	1986	ANNUAL AVERAGE 1972-1976	ANNUAL AVERAGE 1977-1981	1982	1983	1984	1985	1986
IMPORTS																					
SEMIMANUFACTURED PRODUCTS																					
YARN, THREAD, ETC [a]	22.2	40.4	38.2	58.0	71.0	74.7	94.6	23.4	20.0	28.5	42.1	54.6	56.3	104.7	5.6	5.2	7.7	7.6	16.3	14.1	13.5
CLOTH [b]	92.5	93.3	105.7	138.0	170.4	129.1	242.2	292.3	278.0	266.5	346.3	450.8	421.2	522.4	10.2	23.0	25.6	28.1	39.0	36.4	24.8
SUBTOTAL	114.7	133.7	143.9	196.0	241.4	203.8	336.8	315.7	298.0	295.0	388.4	505.4	477.5	627.1	15.8	28.2	33.3	35.7	55.3	50.5	38.3
MANUFACTURED PRODUCTS																					
WEARING APPAREL [c]	291.3	393.4	486.5	576.0	688.9	798.1	921.7	206.9	434.5	510.5	622.8	759.5	895.5	1001.8	27.7	42.2	46.4	58.8	80.8	137.0	154.1
INDUSTRIAL [d]	5.4	0.5	1.1	1.3	0.4	0.9	2.8	7.2	7.4	10.0	14.3	37.6	32.4	45.5	NOMINAL QUANTITIES INCLUDED IN OTHER						
HOME FURNISHINGS [e] }	27.8	47.8	66.5	296.1	411.3	394.2	423.0	34.4	49.3	67.0	78.0	138.9	169.7	180.9	13.2	16.0	19.6	34.8	52.1	60.8	61.3
ALL OTHER [f]								15.0	17.6	14.7	31.9	23.4	38.6	26.0	1.8	1.0	0.8	2.6	1.2	0.6	1.6
SUBTOTAL	324.5	441.7	554.1	873.4	1100.6	1193.2	1347.5	263.5	508.8	602.2	747.0	959.4	1136.2	1254.2	42.7	59.2	66.8	96.2	134.1	198.4	217.0
TOTAL IMPORTS	439.2	575.4	698.0	1069.4	1342.0	1397.0	1684.3	579.2	806.8	897.2	1135.4	1464.8	1613.7	1881.3	58.5	87.4	100.1	131.9	189.4	248.9	255.3
EXPORTS																					
SEMIMANUFACTURED PRODUCTS																					
YARN, THREAD, ETC [a]	31.8	49.7	40.2	35.3	38.5	50.9	47.4	20.4	33.6	30.1	31.2	20.0	25.8	16.6	16.2	3.7	4.9	4.0	2.7	9.3	6.3
CLOTH [g]	146.7	230.6	174.8	148.6	152.6	158.6	184.0	214.2	199.8	84.8	59.4	64.5	82.2	123.7	1.0	1.4	1.4	1.1	1.4	1.6	2.3
SUBTOTAL	178.5	280.3	215.0	183.9	191.1	209.5	231.4	234.6	233.4	114.9	90.6	84.5	108.0	140.3	17.2	5.1	6.3	5.1	4.1	10.9	8.6
MANUFACTURED PRODUCTS																					
WEARING APPAREL	29.0	79.4	75.2	70.8	79.4	65.2	74.1	40.2	104.4	80.0	72.1	68.2	55.4	73.3	2.3	6.5	2.9	3.0	2.7	3.9	3.8
INDUSTRIAL [d]	17.1	70.0	27.8	23.2	31.3	30.2	44.8	20.4	22.1	14.3	11.6	14.4	16.5	20.9	NOMINAL QUANTITIES INCLUDED IN OTHER						
HOME FURNISHINGS [h]	38.8	72.3	65.9	10.7	102.9	81.9	77.9	32.0	38.7	28.3	31.6	36.9	30.4	36.2	2.3	0.9	0.2	9.3	6.5	3.3	+
ALL OTHER [i]	42.9	60.9	54.6	172.1	83.3	73.5	78.0	27.7	20.1	15.9	13.7	0.6	0.4	0.6	1.7	2.0	1.4	1.5	1.8	1.2	1.4
SUBTOTAL	127.8	282.6	223.5	276.8	296.9	250.8	274.8	120.3	185.3	138.5	129.0	120.1	102.7	131.0	6.3	9.4	4.5	13.8	11.0	8.4	5.2
TOTAL EXPORTS	306.3	562.9	438.5	460.7	488.0	460.3	506.2	354.9	418.7	253.4	219.6	204.6	210.7	271.3	23.5	14.5	10.8	18.9	15.1	19.3	13.8
NET EXPORTS (+) OR NET WORTH (-)	-132.9	-12.5	-259.5	-608.7	-854.0	-936.7	-1178.1	-224.3	-388.1	-643.8	-915.8	-1260.2	-1403.0	-1610.0	-35.0	-72.9	-89.3	-113.0	-174.3	-229.6	-241.5

SOURCE: U.S. Department of Agriculture, Cotton and Wool Outlook & Situation

a. Includes sliver, tops, roving, plied (textured and other), thrown and spun yarn, sewing thread and handwork yarns. Yarn singles (textured and other) are not included here; rather they are included in Column 13 on page 52 of this issue.

Man-made fiber yarn exports do not include substantial quantities of indirect exports. Indirect exports are shipments which are billed to a domestic customer by a yarn producer but which are ultimately exported by the customer. Indirect export data are available for the years 1980-1986 only; the corresponding quantities for each year are, respectively (in millions of pounds): 142.4, 254.0, 166.2, 83.1, 108.8, 162.0 & 95.2.

b. Includes broad & narrow woven fabrics and knit cloth, except that cotton narrow fabrics and wool knit fabrics are included in All Other.

c. Wool includes lace & lace articles, veils & veilings and nets & nettings.

d. The man-made fiber data are tire cord & tire cord fabric.

e. Includes carpets & rugs. Lace window curtains are in All Other.

f. Includes such products as lace & lace articles, lace window curtains, braids, tassels, polishing & dustcloths, etc. Wool includes knit fabric in the piece, but not lace & lace articles, which are in Wearing Apparel. For 1983-1986, man-made fiber and cotton includes imports of soft-sided luggage. For those years the quantities were respectively, 180.5, 228.0, 157.4 and 169.3 for man-made fiber and 14.1, 18.7, 8.2 and 30.1 for cotton.

g. Includes broad & narrow woven fabrics and knit cloth. Cotton also includes table damask, tire cord & fabric. Cotton knit fabrics and narrow fabrics are included in All Other.

h. Includes carpets & rugs.

i. Includes such products as lace & lace articles, polishing & dustcloths, braids, tassels, etc. Cotton also includes knits and narrow fabric.

NOTE: In the case of blended fiber products, the quantities of each of the component fibers have been estimated and included in the proper category, e.g., in a polyester and cotton fabric, the polyester portion is tabulated with man-made fiber and the cotton portion with cotton. A waste factor has been included to bring the data to the equivalent raw fiber consumption.

TABLE 15:
PRODUCERS' WASTE SHIPMENTS
MILLION POUNDS

YEAR	RAYON	NONCELLULOSIC	YEAR	RAYON	NONCELLULOSIC
1961	32.8	32.3	**1974**	29.9	246.4
1962	34.5	37.7	**1975**	13.2	228.7
1963	40.2	42.0	**1976**	14.7	262.3
1964	49.0	45.9	**1977**	18.5	291.0
1965	51.5	55.2	**1978**	15.7	263.9
1966	44.6	66.5	**1979**	17.2	238.6
1967	36.1	92.8	**1980**	13.5	170.2
1968	44.3	122.3	**1981**	15.3	174.2
1969	39.4	140.3	**1982**	10.7	173.2
1970	34.5	136.3	**1983**	9.4	214.1
1971	36.3	157.8	**1984**	11.4	216.9
1972	38.5	202.7	**1985**	8.8	260.2
1973	36.8	274.8	**1986**	10.4	261.6

TABLE 16:
RAW COTTON CONSUMPTION
BALES

MONTH	1978	1979	1980	1981	1982	1983	1984	1985	1986
JANUARY	493	603	604	435	378	404	469	389	595
FEBRUARY	501	472	506	446	398	430	447	405	499
MARCH	620	506	513	539	492	549	547	504	492
APRIL	484	584	622	433	409	431	430	406	620
MAY	484	484	496	441	392	441	442	426	503
JUNE	575	489	478	531	460	543	501	521	489
JULY	383	503	487	385	317	369	354	366	522
AUGUST	459	472	442	429	386	453	415	458	534
SEPTEMBER	569	482	456	517	474	560	494	562	523
OCTOBER	482	630	597	448	416	459	415	493	683
NOVEMBER	595	482	458	403	390	446	382	477	529
DECEMBER	435	436	475	400	425	468	408	480	568
TOTAL	6080	6143	6134	5407	4937	5553	5304	5487	6557

TABLE 17:
RAW SILK DELIVERIES
BALES

MONTH	1978	1979	1980	1981	1982	1983	1984
JANUARY	321	501	312	471	450	280	715
FEBRUARY	394	302	644	380	489	506	537
MARCH	424	687	422	471	662	390	455
APRIL	382	353	507	446	398	462	315
MAY	397	471	366	322	234	717	636
JUNE	299	418	285	529	369	377	655
JULY	316	407	257	300	495	264	229
AUGUST	341	756	332	259	403	474	672
SEPTEMBER	401	492	342	348	364	534	532
OCTOBER	280	490	365	414	226	529	562
NOVEMBER	468	368	265	487	514	587	391
DECEMBER	214	518	323	611	317	324	538
TOTAL	4237	5763	4420	5038	4921	5444	6237

TRADE BAROMETER

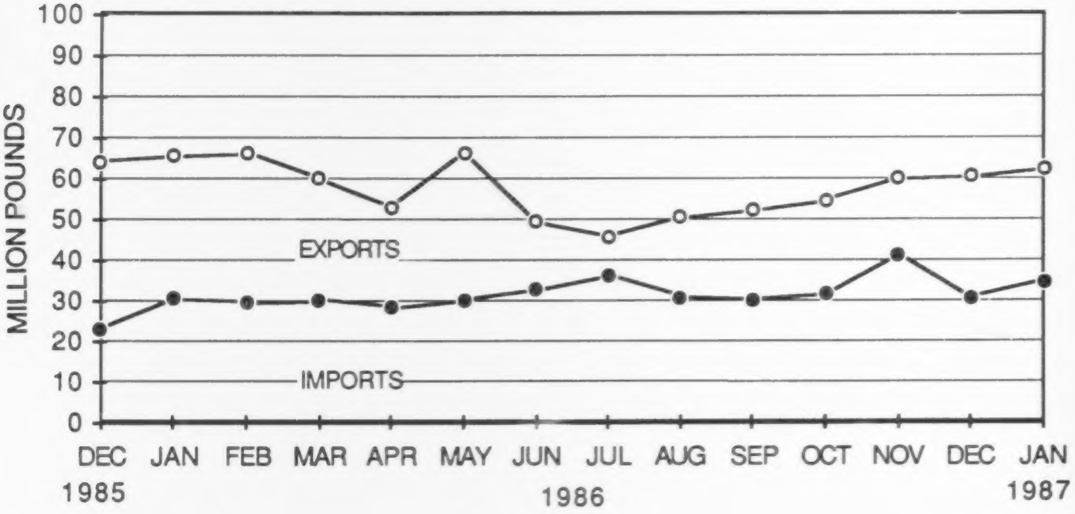
MAN-MADE FIBER TRADE BALANCE FALLS: EXPORTS AND IMPORTS RISE

In January, the U.S. man-made fiber balance of trade fell to 27.5 million pounds, down 7.7% from 29.8 million pounds in December.

January fiber exports totaled 62.4 million pounds, up 4.9% from the previous month's exports. Imports rose to 34.9 million pounds, up 13.3% from 30.8 million pounds in December.

Noncellulosic yarn+monofilament imports rose to 11178 million pounds, up almost 34% from the January 1986 level of 8347 million pounds. In January, Mexico emerged as a significant supplier of these, accounting for almost 20% of January imports and 74% of the overall increase. From Japan and Italy, January imports of noncellulosic yarn+monofilament were up 74% and 62% respectively.

GRAPH 8:
IMPORTS VS. EXPORTS OF MAN-MADE FIBER



GRAPH 9:
MAN-MADE FIBER MONTHLY TRADE BALANCE

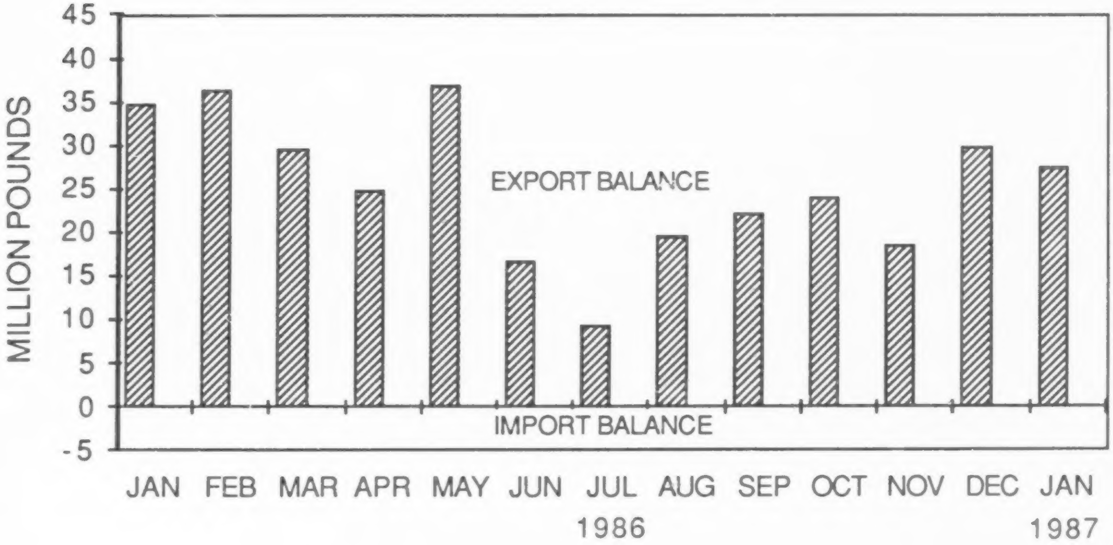


TABLE 18:
MAN-MADE FIBER MONTHLY TRADE BALANCE
MILLION POUNDS

	CELLULOSIC YARN & MONOFIL			CELLULOSIC STAPLE+TOW			NONCELLULOSIC YARN & MONOFIL			NONCELLULOSIC STAPLE+TOW			CELLULOSIC WASTE			NONCELLULOSIC WASTE			TOTAL		
1986	IMP	EXP	BAL	IMP	EXP	BAL	IMP	EXP	BAL	IMP	EXP	BAL	IMP	EXP	BAL	IMP	EXP	BAL	IMP	EXP	BAL
JANUARY	1.4	0.5	-0.9	1.6	2.4	+0.8	8.3	28.9	+20.6	16.0	25.2	+9.2	+	0.1	+0.1	3.4	8.5	+5.1	30.7	65.6	+34.9
FEBRUARY	1.3	0.5	-0.8	1.1	2.6	+1.5	8.4	24.1	+15.7	14.9	27.0	+12.1	0	0.2	+0.2	3.9	11.9	+8.0	29.6	66.3	+36.7
MARCH	1.4	0.7	-0.7	1.5	5.5	+4.0	8.8	23.3	+14.5	15.1	20.7	+5.6	+	0.2	+0.2	3.4	9.6	+6.2	30.2	60.0	+29.8
APRIL	1.6	0.7	-0.9	1.4	1.0	-0.4	7.3	20.9	+13.6	14.6	18.6	+4.0	+	0.3	+0.3	3.5	11.7	+8.2	28.4	53.2	+24.8
MAY	2.0	0.8	-1.2	1.2	2.6	+1.4	9.9	29.9	+20.0	14.1	22.7	+8.6	+	0.1	+0.1	3.3	10.3	+7.0	30.5	66.4	+35.9
JUNE	1.3	0.6	-0.7	1.3	1.7	+0.4	12.3	19.4	+7.1	14.2	18.2	+4.0	+	0.2	+0.2	3.7	9.4	+5.7	32.8	49.5	+16.7
JULY	1.2	0.6	-0.6	1.7	3.2	+1.5	13.0	19.5	+6.5	16.6	17.8	+1.2	0	0.1	+0.1	3.9	4.8	+0.9	36.4	46.0	+9.6
AUGUST	1.2	0.4	-0.8	1.5	3.0	+1.5	11.2	17.8	+6.6	14.7	18.2	+3.5	0	0.4	+0.4	2.3	10.7	+8.4	30.9	50.5	+19.6
SEPTEMBER	1.3	0.8	-0.5	1.7	1.6	-0.1	9.4	17.7	+8.3	14.6	21.1	+6.5	+	0.1	+0.1	3.3	11.1	+7.8	30.3	52.4	+22.1
OCTOBER	1.3	0.7	-0.6	1.7	3.3	+1.6	11.5	16.1	+4.6	14.8	23.6	+8.8	+	0.4	+0.4	2.5	10.7	+8.2	31.8	54.8	+23.0
NOVEMBER	1.7	0.5	-1.2	1.8	3.8	+2.0	14.3	17.8	+3.5	19.6	23.2	+3.6	0	0.2	+0.2	4.1	14.5	+10.4	41.5	60.0	+18.5
DECEMBER	1.2	0.5	-0.7	0.9	1.9	+1.0	11.4	20.2	+8.8	14.3	27.5	+13.2	0	+	+	3.0	10.5	+7.5	30.8	60.6	+29.8
TOTAL	16.9	7.3	-9.6	17.4	32.6	+15.2	125.8	255.6	+129.8	183.5	263.8	+80.3	+	2.3	+2.3	40.3	123.7	+83.4	383.9	685.3	+301.4
1987																					
JANUARY	1.3	0.5	-0.8	1.2	4.1	+2.9	11.2	17.3	+6.1	17.1	32.4	+15.3	0	0.3	+0.3	4.1	7.8	+3.7	34.9	62.4	+27.5

SOURCES: The fiber import and export data are from the U.S. Bureau of the Census (Reports IM145X and EM522).

+ Net export balance.

- Net import balance.

TABLE 19:
U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/87	1987												YEAR TO DATE	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1987	1986
CELLULOSIC FIBERS															
YARN - SINGLES															
TEXTURED	310.0106 & .0206	29												29	28
OTHER	310.0130 & .0230[a]	1292												1292	1309
MONOFILAMENTS	309.0310 & .0610	0												0	0
STRIPS, $1/LB & UNDER	309.2000*	2												2	38
SUBTOTAL ABOVE		**1323**												**1323**	**1375**
STAPLE	309.4320 & .4325	1030												1030	1465
GROUPED FILAMENTS	309.3010 & .3310	128												128	28
SUBTOTAL ABOVE		**1158**												**1158**	**1493**
WASTE, ADVANCED&NOT ADVANCED	309.6615 & .7510	**0**												**0**	**0**
NONCELLULOSIC FIBERS															
YARN - SINGLES															
TEXTURED - NYLON															
LESS THAN 450	310.0107 & .0207	123												123	150
MORE THAN 450	310.0108 & .0208	2961												2961	1809
- POLYESTER	310.0110 & .0210	1524												1524	748
- OTHER	310.0114 & .0214	1350												1350	1640
OTHER - NYLON	310.0149 & .0249	2162												2162	1236
- POLYESTER	310.0150 & .0250	2083												2083	1898
- OTHER	310.0170 & .0270[b]	538												538	483
MONOFILAMENTS	309.0200 & .0330[c]	149												149	275
STRIPS, OVER $1/LB	309.2100 & .2500*	288												288	108
SUBTOTAL ABOVE		**11178**												**11178**	**8347**
STAPLE - NYLON	309.4331 & .4351	4974												4974	3716
- POLYESTER	309.4336 & .4361	5639												5639	2725
- ACRYLIC	309.4366	1403												1403	1473
- OLEFIN	309.4371	2												2	623
- OTHER	309.4341 & .4390	605												605	2666
GROUPED FILAMENTS															
NYLON	309.3030 & .3200	3026												3026	3381
POLYESTER	309.3040 & .3340	383												383	147
ACRYLIC	309.3050 & .3350	919												919	972
OTHER	309.3065 & .3365	173												173	341
SUBTOTAL ABOVE		**17124**												**17124**	**16044**
WASTE, NOT ADVANCED															
- NYLON	309.6625	2233												2233	1605
- POLYESTER	309.6630	1121												1121	560
- ACRYLIC	309.6645	20												20	0
- OTHER	309.6660	591												591	892
NOILS & GARNETTED FIBERS	309.7000*	0												0	+
OTHER WASTE, ADVANCED	309.7525 - .7555	128												128	324
SUBTOTAL ABOVE		**4093**												**4093**	**3381**
TOTAL MAN-MADE ABOVE		**34876**												**34876**	**30640**
OTHER MAN-MADE FIBER TOPS, YARN & THREAD															
YARN - PLIED															
TEXTURED - CELLULOSIC	310.1506	0												0	0
- NONCELLULOSIC	310.1015[d]& .1205[e]	162												162	1309
OTHER - CELLULOSIC	310.1030 & .1535[f]	17												17	2
- NONCELLULOSIC	310.1050 & .1070[g]	327												327	33
SPUN YARN - CELLULOSIC	310.4005 & .4030[h]	148												148	227
- OTHER	310.4015 & .4027[i]	745												745	2619
OTHER YARNS - NES, INCL. CHENILLE	310.6034 - .8000	2172												2172	225
HANDWORK YARNS & SEWING THREAD	310.9000 & .9310[j]	693												693	284
SLIVER, TOPS & ROVING	309.9000	267												267	282
TEXTILE GLASS FIBER	309.2800 & .2900[k]	1398												1398	2142
GRAND TOTAL ABOVE		**40805**												**40805**	**37763**

SOURCE: U.S. Census Bureau Report IM145X.

NES Not elsewhere specified.

+ Nominal poundage.

* These items are not reported by the Census as cellulosic vs. noncellulosic. Any seperation between cellulosic and noncellulosic is estimated, based mainly on average declared value.

[a] Also includes 310.0610.

[b] Also includes 310.0550, .0630 & .0650.

[c] Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.

[d] There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

[e] Also includes 310.1210, .1510, .1550 & .1555.

[f] Also includes 310.2110.

[g] Also includes 310.1510, .1514, .1550, 1555, .1570, .2050, .2130 & .2150.

[h] Also includes 310.5005 & .5030.

[i] Also includes 310.4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051.

[j] Also includes 310.9320 & .9500.

[k] Chiefly roving. Also includes 309.9800 & .9900.

TABLE 20:
U.S. EXPORTS OF MAN-MADE FIBERS

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/87	1987												YEAR TO DATE	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1987	1986
CELLULOSIC FIBERS															
FILAMENT YARN [a]															
TEXTURED	310.0004	43												43	0
OTHER [b]	310.0026	500												500	483
MONOFILAMENTS	309.0110	0												0	18
STRIPS	309.2210	1												1	0
SUBTOTAL ABOVE		**544**												**544**	**501**
STAPLE+TOW-RAYON	309.4222	4051												4051	2262
STAPLE-ACETATE	309.4219	5												5	175
SUBTOTAL ABOVE		**4056**												**4056**	**2437**
WASTE, ADVANCED&NOT ADVANCED	309.7400	**250**												**250**	**68**
NONCELLULOSIC FIBERS															
YARN - SINGLES															
NYLON - TEXTURED	310.0005 & .0007	2506												2506	1373
- HIGH TENACITY [c]	310.0027	7370												7370	5757
- OTHER	310.0029	636												636	638
POLYESTER - TEXTURED	310.0010	2173												2173	7485
- HIGH TENACITY [c]	310.0032	1669												1669	1952
- OTHER [d]	310.0034	160												160	735
OTHER - TEXTURED	310.0014	882												882	8990
- OLEFIN	310.0040	74												74	67
- OTHER	310.0044	388												388	212
MONOFILAMENTS, ALL DENIERS															
NYLON	309.0120	514												514	376
POLYESTER	309.0140	309												309	663
OTHER	309.0170	460												460	283
STRIPS	309.2220 & .2270	170												170	320
SUBTOTAL ABOVE		**17311**												**17311**	**28851**
STAPLE - NYLON	309.4240	2105												2105	1111
- POLYESTER	309.4242	18031												18031	8164
- ACRYLIC	309.4245	5446												5446	8607
- OLEFIN	309.4246	1884												1884	1844
- OTHER	309.4247	1050												1050	1124
GROUPED FILAMENTS															
NYLON	309.3220	314												314	236
POLYESTER [d]	309.3240	1941												1941	1997
ACRYLIC	309.3250 & .3255	1653												1653	2090
SUBTOTAL ABOVE		**32424**												**32424**	**25175**
WASTE, ADVANCED&NOT ADVANCED															
- NYLON	309.7620	1199												1199	299
- POLYESTER	309.7630	2831												2831	3848
- ACRYLIC	309.7640	1086												1086	569
- OTHER	309.7660	2673												2673	3831
SUBTOTAL ABOVE		**7789**												**7789**	**8547**
TOTAL MAN-MADE ABOVE		**62374**												**62374**	**65579**
TEXTILE GLASS FIBER	309.2700 & .9700	5756												5756	4355
GRAND TOTAL ABOVE		**68130**												**68130**	**69934**

SOURCE: U.S. Census Bureau Report EM522.

a. Includes thrown, singles and plied yarn.

b. Includes an undetermined amount of rayon tire cord and cord fabric.

c. Includes an undetermined amount of noncellulosic tire cord and cord fabric.

d. Includes zero twist yarns.

TABLE 21:
SELECTED U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION BY COUNTRY OF ORIGIN

THOUSAND POUNDS

ITEMS & COUNTRY	1987												YEAR TO DATE	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1987	1986
CELLULOSIC YARN, MONOFIL & STRIPS														
BRAZIL	86												86	82
CANADA	390												390	200
GERMANY, FED. REP. OF	428												428	482
JAPAN	194												194	95
KOREA, REP. OF	1												1	80
MEXICO	134												134	81
NETHERLANDS	88												88	195
ALL OTHER COUNTRIES[a]	2												2	160
TOTAL CELLULOSIC YARN	1323												1323	1375
CELLULOSIC STAPLE+TOW														
AUSTRIA	0												0	259
CANADA	911												911	777
JAPAN	31												31	107
MEXICO	0												0	310
UNITED KINGDOM	46												46	29
ALL OTHER COUNTRIES[b]	170												170	11
TOTAL CELLULOSIC STAPLE+TOW	1158												1158	1493
NONCELLULOSIC YARN, MONOFIL & STRIPS														
AUSTRALIA	6												6	0
AUSTRIA	1												1	113
BELGIUM	922												922	1152
CANADA	864												864	1282
COSTA RICA	738												738	480
FRANCE	737												737	405
GERMANY, FED. REP. OF	1693												1693	1195
IRELAND	81												81	0
ISRAEL	117												117	413
ITALY	1283												1283	790
JAPAN	1127												1127	646
MEXICO	2084												2084	128
NETHERLANDS	93												93	74
ROMANIA	32												32	0
SOUTH AFRICA	145												145	853
SWITZERLAND	253												253	74
TAIWAN	14												14	36
UNITED KINGDOM	852												852	573
ALL OTHER COUNTRIES[c]	136												136	133
TOTAL NONCELLULOSIC YARN	11178												11178	8347
NONCELLULOSIC STAPLE+TOW														
AUSTRALIA	0												0	31
BELGIUM	1												1	25
BRAZIL	105												105	35
CANADA	3228												3228	2650
FRANCE	811												811	996
GERMANY, FED. REP. OF	2350												2350	3105
IRELAND	109												109	81
ISRAEL	36												36	42
ITALY	1747												1747	1237
JAPAN	1968												1968	1919
KOREA, REP. OF	979												979	492
MEXICO	2287												2287	1025
ROMANIA	317												317	210
SOUTH AFRICA	0												0	80
SWITZERLAND	108												108	137
TAIWAN	2035												2035	2105
UNITED KINGDOM	928												928	1819
ALL OTHER COUNTRIES[d]	115												115	55
TOTAL NONCELLULOSIC STAPLE+TOW	17124												17124	16044

+ Nominal quantity.

Other countries supplying 1987 quantities are:

[a] China , PRC 2.

[b] France +, Germany, Fed. Rep. 10, Italy 88, Netherlands 18, Sweden 54.

[c] Argentina 14, Brazil +, Denmark 31, Greece 1, Korea, Rep. of 41, Singapore 22, Spain +, Thailand 4, Turkey 23.

[d] Austria 61, Hong Kong 5, Malaysia 48, Portugal 1.

TABLE 22:
SELECTED U.S. MONTHLY TEXTILE FIBER DATA

MILLION POUNDS

	1986 - REVISED												YEAR TO DATE[a]	
ITEM	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1986	1985
	TOTAL SHIPMENTS[b]													
MAN-MADE FIBER DATA[c]														
YARN+MONOFILAMENTS														
CELLULOSIC YARN	**17.8**	**17.2**	**18.3**	**19.4**	**18.9**	**17.2**	**17.7**	**17.3**	**17.6**	**17.5**	**15.2**	**18.2**	**212.3**	**210.1**
NYLON[d] - INDUSTRIAL[e]	26.3	29.5	28.8	29.1	27.6	26.7	23.3	27.3	25.7	31.1	27.1	30.9	333.4	345.1
- CARPET	69.6	71.1	71.1	75.7	71.2	74.8	76.8	78.6	83.9	80.2	74.8	70.7	898.5	835.4
- TEXTILE[g]	30.9	31.1	31.7	32.1	30.6	29.1	29.0	28.0	30.2	30.0	29.3	28.5	360.5	355.3
POLYESTER - INDUSTRIAL[e]	28.2	25.6	27.9	26.7	24.4	24.6	24.6	24.7	26.4	27.8	25.2	27.8	313.9	292.1
- TEXTILE[g]	77.1	78.0	69.8	68.3	72.0	60.7	68.5	71.5	72.3	74.1	70.5	72.4	855.8	1020.4
OLEFIN[f]	75.1	84.2	84.4	83.9	85.0	92.4	76.9	88.9	94.6	100.2	97.1	97.0	1059.7	951.1
TOTAL NONCELLULOSIC ABOVE	**307.2**	**319.5**	**313.7**	**315.8**	**311.4**	**308.3**	**299.1**	**319.0**	**333.1**	**343.4**	**324.0**	**327.3**	**3821.8**	**3799.4**
STAPLE +TOW+FIBERFILL														
RAYON	**34.9**	**30.0**	**33.0**	**32.7**	**34.9**	**31.3**	**34.2**	**34.9**	**33.3**	**35.6**	**33.6**	**35.4**	**403.8**	**358.7**
NYLON[d]	70.7	64.1	64.3	67.1	71.9	67.1	79.3	86.6	91.4	91.4	77.6	76.7	908.2	843.6
ACRYLIC+MODACRYLIC	50.2	47.8	52.2	55.7	55.4	51.8	50.0	50.7	55.8	53.7	44.6	46.2	614.1	643.8
POLYESTER	179.9	171.2	173.7	180.8	183.9	160.2	166.2	174.0	187.7	188.5	173.5	183.8	2123.4	2038.6
OLEFIN+VINYON	24.0	25.4	28.7	28.2	29.3	29.9	27.8	27.3	26.1	29.8	27.9	27.1	331.5	288.2
TOTAL NONCELLULOSIC ABOVE	**324.8**	**308.5**	**318.9**	**331.8**	**340.5**	**309.0**	**323.3**	**338.6**	**361.0**	**363.4**	**323.6**	**333.8**	**3977.2**	**3814.2**
	END-OF-MONTH STOCK													
YARN+MONOFILAMENTS														
CELLULOSIC YARN	**13.3**	**12.2**	**13.3**	**12.1**	**12.2**	**12.5**	**13.3**	**13.3**	**14.0**	**14.7**	**14.8**	**14.8**	**14.8**	**12.3**
NYLON[d] - INDUSTRIAL[e]	23.8	25.6	24.1	26.1	27.2	25.4	30.3	33.6	30.5	30.4	28.8	30.8	30.8	25.5
- CARPET	55.4	51.8	56.2	52.5	59.0	56.8	55.4	51.0	46.4	43.1	43.2	54.7	54.7	46.4
- TEXTILE[g]	49.0	46.1	46.2	44.7	45.8	43.9	44.6	44.9	44.7	45.6	44.6	47.3	47.3	47.8
POLYESTER - INDUSTRIAL[e]	25.1	26.1	26.9	27.2	28.9	31.5	32.0	32.9	34.5	29.8	29.2	29.4	29.4	24.2
- TEXTILE[g]	84.7	90.3	96.6	96.5	91.9	86.2	82.8	83.9	80.7	82.6	83.8	81.5	81.5	83.7
OLEFIN[f]	66.7	69.4	67.1	69.5	66.4	61.5	64.7	63.4	60.6	60.3	61.4	62.9	62.9	64.9
TOTAL NONCELLULOSIC ABOVE	**304.7**	**309.3**	**317.1**	**316.5**	**319.2**	**305.3**	**309.8**	**309.7**	**297.4**	**291.8**	**291.0**	**306.6**	**306.6**	**292.5**
STAPLE+TOW+FIBERFILL														
RAYON	**20.7**	**21.1**	**19.7**	**20.1**	**18.4**	**20.5**	**20.5**	**19.5**	**21.5**	**23.0**	**22.8**	**22.4**	**22.4**	**22.5**
NYLON[d]	63.0	70.4	84.1	89.1	88.0	85.4	78.7	68.4	64.2	62.7	54.9	62.8	62.8	62.7
ACRYLIC+MODACRYLIC	66.1	66.3	63.2	56.8	53.4	51.4	54.9	56.9	52.9	52.1	57.3	66.2	66.2	64.4
POLYESTER	147.9	147.3	151.0	148.6	150.4	164.8	170.8	162.4	159.0	150.4	148.7	163.9	163.9	155.0
OLEFIN+VINYON	33.3	33.7	34.0	31.7	29.7	28.9	30.4	30.6	32.4	29.8	31.1	33.5	33.5	29.7
TOTAL NONCELLULOSIC ABOVE	**310.3**	**317.7**	**332.3**	**326.2**	**321.5**	**330.5**	**334.8**	**318.3**	**308.5**	**295.0**	**292.0**	**326.4**	**326.4**	**311.8**
WOOL & COTTON CONSUMPTION														
APPAREL CLASS WOOL	12.6	13.2	13.1	13.2	13.3	14.7	11.5	12.2	13.0	11.8	12.0	13.7	154.3	123.0
CARPET CLASS WOOL	1.0	0.8	0.9	0.8	0.7	0.7	0.7	1.1	1.0	0.9	0.8	0.8	10.2	11.7
TOTAL RAW WOOL	13.6	14.0	14.0	14.0	14.0	15.4	12.2	13.3	14.0	12.7	12.8	14.5	164.5	134.7
RAW COTTON	269.5	263.3	265.0	265.2	265.6	280.0	222.9	282.0	289.0	291.6	283.3	324.3	3301.7	2796.0

[a] "Year-to-date" totals for stock, are the latest month's figures.

[b] The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

[c] Producers' total domestic plus export shipments.

[d] Data for nylon exclude aramid.

[e] Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

[f] Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.

[g] Low denier industrial nylon and polyester quantities are now included with Textile.

TABLE 23:
FILAMENT YARN DOMESTIC SHIPMENTS [a]

MILLION POUNDS

ITEM		ANNUAL DATA				QUARTERLY DATA							
						1985				1986			
ITEM		1983	1984	1985	1986	1ST Q	2ND Q	3RD Q	4TH Q	1ST Q	2ND Q	3RD Q	4TH Q
(C) CELLULOSIC YARN [j]			*(N) NYLON*				*(P) POLYESTER*				*(O) OLEFIN*		
HOSIERY [b]	N	104.3	101.5	98.1	95.1	25.2	25.0	24.8	23.1	26.5	25.3	22.8	20.5
OTHER CIRCULAR KNIT [c]	N	24.5	17.6	12.9	21.3	3.1	3.2	3.0	3.6	4.3	6.0	4.0	7.0
	P	293.7	174.7	151.2	150.3	26.4	37.2	48.0	39.6	38.6	37.4	37.3	37.0
	C	2.1	2.3	2.6	2.0	0.4	0.4	1.1	0.7	0.6	0.6	0.6	0.2
FLAT KNIT	C	79.1	67.2	53.0	47.8	15.5	15.4	11.7	10.4	11.4	13.7	11.7	11.0
	N	162.2	135.2	143.6	133.8	36.0	33.4	35.9	38.3	36.8	33.2	32.5	31.3
	P	116.6	137.3	160.8	167.1	37.1	39.5	38.9	45.2	38.7	38.9	44.5	45.0
CARPET FACE	N	734.6	770.2	815.4	881.4	163.9	207.5	223.6	220.4	207.0	217.8	235.6	221.0
	O	147.2	154.1	202.1	215.7	44.8	51.2	53.9	52.2	49.7	50.5	53.9	61.6
CARPET BACKING [d]	O	198.8	227.8	354.6	404.1	83.8	93.4	91.0	86.4	89.1	98.0	99.4	117.6
OTHER BROAD WOVEN [e]	C	113.6	108.8	111.3	126.3	22.7	26.7	28.9	33.0	31.9	31.9	31.7	30.8
	N	83.6	90.7	71.4	76.2	16.9	16.3	17.7	20.5	20.2	19.7	18.0	18.3
	P	489.9	392.2	420.1	344.4	99.5	112.9	108.9	98.8	87.1	77.5	89.3	90.5
	O	201.1	190.3	225.7	271.5	54.6	60.1	55.6	55.4	61.4	66.7	69.3	74.1
NARROW WOVEN [f]	C	1.7	0.7	1.5	2.0	0.2	0.3	0.4	0.6	0.9	0.2	0.3	0.6
	N	35.3	39.9	31.1	33.9	7.8	7.7	8.3	7.3	8.0	8.6	8.5	8.8
	P	35.5	38.7	40.0	44.0	9.6	9.5	10.2	10.7	11.5	10.7	10.9	10.9
	O	15.0	14.9	15.2	17.5	3.8	4.0	3.9	3.5	4.5	4.5	4.4	4.1
TIRES, INCL. CHAFER [k]	N	145.5	172.9	146.0	134.2	42.7	36.4	32.3	34.6	35.8	33.5	30.5	34.4
	P	174.1	174.4	155.5	159.3	44.5	40.2	34.2	36.6	44.7	37.4	39.5	37.7
OTHER RUBBER INDUSTRY [g k]	N	16.3	20.9	15.3	15.2	4.6	3.7	3.5	3.5	4.2	3.6	4.0	3.4
	P	27.8	32.7	31.2	27.2	7.2	8.2	8.3	7.5	2.9	8.4	8.2	7.7
ROPE, CORDAGE & FISHLINE	N	31.7	35.0	35.3	36.4	8.6	8.6	8.7	9.4	9.6	9.5	8.4	8.9
	P	12.2	15.7	13.8	13.0	3.1	3.7	3.9	3.1	3.4	3.4	2.9	3.3
	O	95.5	106.9	108.2	106.3	28.8	29.8	23.2	26.4	27.0	28.2	23.4	27.7
ALL OTHER [h]	C	1.1	1.1	18.7	14.0	5.6	5.2	4.5	3.4	3.8	4.0	3.4	2.8
	N	54.4	54.2	48.3	52.1	14.9	11.2	11.1	11.1	11.0	11.5	13.4	16.2
	P	144.6	179.2	231.7	187.1	62.7	60.4	56.8	51.8	57.9	39.8	41.1	48.3
	O	41.0	31.6	31.8	34.1	7.8	7.5	6.8	9.7	9.6	10.5	7.4	6.6
TOTAL ABOVE	**C**	**197.6**	**180.1**	**187.1**	**192.1**	**44.4**	**48.0**	**46.6**	**48.1**	**48.6**	**50.4**	**47.7**	**45.4**
	N	**1392.4**	**1438.1**	**1417.4**	**1479.6**	**323.7**	**353.0**	**368.9**	**371.8**	**363.4**	**368.7**	**377.7**	**369.8**
	P	**1294.4**	**1144.9**	**1204.2**	**1092.4**	**290.1**	**311.6**	**309.2**	**293.3**	**284.8**	**253.5**	**273.7**	**280.4**
	O	**698.6**	**725.6**	**937.6**	**1049.2**	**223.6**	**246.0**	**234.4**	**233.6**	**241.3**	**258.4**	**257.8**	**291.7**
TOTAL DOMESTIC		**3583.0**	**3488.7**	**3746.3**	**3813.3**	**881.8**	**958.6**	**959.1**	**946.8**	**938.1**	**931.0**	**956.9**	**987.3**
ALSO DIVIDED AS													
APPAREL		*1257.5*	*1072.1*	*1064.7*	*949.4*	*255.3*	*275.9*	*279.3*	*254.2*	*247.4*	*236.3*	*231.0*	*234.7*
HOME FURNISHINGS		*1328.7*	*1354.2*	*1624.9*	*1746.8*	*351.0*	*414.7*	*430.1*	*429.1*	*405.5*	*419.7*	*454.8*	*466.8*
INDUSTRIAL		*996.8*	*1062.4*	*1056.7*	*1117.1*	*275.5*	*268.0*	*249.7*	*263.5*	*285.2*	*275.0*	*271.1*	*285.8*
SHIPMENTS OF FEED & PRODUCER-TEXTURED YARN (NONCARPET) [i]													
NYLON		127.1	118.7	114.9	115.8	28.4	28.7	29.0	28.8	29.7	31.3	28.5	26.3
POLYESTER		832.4	675.5	776.3	634.6	181.0	204.5	206.0	184.8	168.9	144.0	158.1	163.6
OLEFIN		28.0	23.3	22.3	22.9	5.2	5.9	5.2	6.0	5.1	5.8	5.9	6.1

---

a. Filament yarn plus monofilament shipments by primary trade or end use; olefin includes spunbonded polypropylene but does not include spunbonded polyethylene.

b. Small quantities of polyester and cellulosic yarn are included in All Other.

c. Small quantities of olefin are included in All Other.

d. Small quantities of nylon and polyester are included in All Other.

e. Other Broad Woven except carpets, tire fabric, flat belting, etc. The olefin quantities only include other home furnishings applications.

f. Narrow Woven includes apparel ribbons and braids, auto seat belts and/or furniture webbing.

g. Small quantities of olefin are included in All Other.

h. All Other includes sewing thread and other industrial applications. The olefin quantities include sliver knit backing. Also includes indirect exports.

i. These quantities are included in the Total Domestic area above.

j. Data prior to 1985: acetate yarn only. Data for 1985 and 1986: acetate and rayon yarn.

k. Cellulosic yarn quantities included in All Other.

TABLE 24:
STAPLE+TOW DOMESTIC SHIPMENTS

MILLION POUNDS

(R) RAYON (N) NYLON (A) ACRYLIC+MODACRYLIC (P) POLYESTER (O) OLEFIN

ITEM		ANNUAL DATA				QUARTERLY DATA							
						1985				1986			
		1983	1984	1985	1936	1ST Q	2ND Q	3RD Q	4TH Q	1ST Q	2ND Q	3RD Q	4TH Q
HOSIERY, SWEATERS & CRAFT YARNS[a]	A	237.3	204.8	197.2	228.8	48.8	48.9	49.0	50.5	57.2	62.1	54.9	54.6
	NPR	9.5	6.6	5.5	5.1	1.7	1.1	1.3	1.4	1.4	1.2	1.4	1.1
PILE FABRICS[b]	A	33.0	30.0	24.5	23.2	6.6	7.1	6.3	4.5	6.0	6.6	6.2	4.4
	P	18.2	18.4	14.9	15.0	3.9	4.1	3.7	3.2	4.1	3.5	3.9	3.5
OTHER CIRCULAR KNIT + FLAT KNIT[c]	R	3.5	4.3	5.5	4.7	0.7	1.3	2.2	1.3	1.1	1.1	1.1	1.4
	A	129.5	118.5	139.1	196.3	27.3	38.3	37.6	35.9	38.7	55.6	56.7	45.3
	P	354.4	283.0	295.5	367.8	67.7	76.7	74.0	77.1	87.9	89.2	89.7	101.0
BLANKETS[b]	A	27.1	25.2	30.2	26.7	6.1	7.4	8.8	7.9	6.6	6.7	7.7	5.7
	P	10.5	5.5	6.2	3.7	0.9	1.9	2.2	1.2	0.8	1.0	1.3	0.6
OTHER BROAD WOVEN	R	182.1	177.7	174.9	218.0	39.0	39.4	44.6	51.9	53.9	53.2	55.1	55.8
	N	59.0	42.5	37.4	37.0	11.4	8.2	8.8	9.0	10.0	9.7	8.6	8.7
	A	32.5	29.5	38.2	35.3	8.8	9.6	9.2	10.6	9.8	8.4	8.4	8.7
	P	1062.9	1039.1	864.9	885.6	214.1	208.3	212.4	230.1	226.8	229.8	218.3	210.7
	O	19.4	22.1	26.9	18.0	6.4	6.9	6.0	7.6	1.0	5.0	4.9	7.1
CARPET FACE YARNS[f]	R	0.2	0.3	0.5	0.4	0.1	0.1	0.1	0.2	0.1	0.2	+	0.1
	N	815.2	751.0	773.9	837.8	176.5	190.0	199.4	208.0	180.1	188.6	240.8	228.3
	P	139.0	131.4	126.8	145.0	30.7	33.9	30.3	31.9	31.3	38.4	36.9	38.4
	O	93.6	96.5	107.4	117.2	25.2	30.6	27.7	23.9	25.4	30.4	28.1	33.3
FIBERFILL[d]	P	275.4	276.1	281.1	294.9	72.6	65.0	68.6	74.9	71.6	69.1	74.4	79.8
FLOCK	NP	10.6	9.2	5.3	5.9	1.4	1.2	1.3	1.4	1.6	1.4	1.2	1.7
	R	3.2	2.7	1.8	1.8	0.6	0.4	0.6	0.2	0.6	0.4	0.5	0.3
NONWOVENS[e f]	R	119.0	126.3	113.5	125.4	27.6	28.9	29.0	28.0	31.7	33.2	32.9	27.6
	N	4.9	2.8	2.5	2.1	0.7	0.7	0.5	0.6	0.5	0.5	0.6	0.5
	P	177.4	177.2	162.5	175.3	44.0	39.2	39.5	39.8	46.5	41.4	42.4	45.0
	VINYON+O	61.5	119.2	135.8	166.2	34.0	32.0	34.7	35.1	42.3	45.2	41.1	37.6
ALL OTHER	R	23.8	18.8	25.9	20.8	5.5	6.1	6.0	8.3	3.7	3.5	5.0	8.6
	N	5.2	9.4	11.2	11.9	2.8	2.6	2.9	2.9	2.9	3.0	3.0	3.0
	A	32.8	38.7	29.5	20.9	7.7	8.4	7.7	5.7	4.8	4.3	4.8	7.0
	P	55.8	56.2	116.9	108.3	21.0	30.4	30.8	34.7	29.3	26.7	28.6	23.7
	VINYON+O	8.9	3.1	9.6	11.3	1.6	2.4	2.4	3.2	5.2	2.0	2.3	1.8
TOTAL ABOVE	**R**	**333.5**	**331.9**	**323.7**	**373.0**	**73.8**	**76.6**	**82.9**	**90.4**	**91.6**	**92.0**	**95.1**	**94.3**
	N	**897.1**	**814.4**	**830.3**	**894.9**	**192.8**	**202.7**	**212.9**	**221.9**	**195.2**	**203.2**	**254.3**	**242.2**
	A	**492.2**	**446.7**	**458.7**	**531.2**	**105.3**	**119.7**	**118.6**	**115.1**	**123.1**	**143.7**	**138.7**	**125.7**
	P	**2099.2**	**1992.2**	**1872.7**	**1998.6**	**456.3**	**460.2**	**462.4**	**493.8**	**499.1**	**499.9**	**496.3**	**503.3**
	VINYON+O	**183.4**	**240.9**	**279.7**	**312.7**	**67.2**	**71.9**	**70.8**	**69.8**	**72.9**	**82.6**	**76.4**	**79.8**
TOTAL DOMESTIC		**4005.4**	**3826.1**	**3765.1**	**4110.4**	**895.4**	**931.1**	**947.6**	**991.0**	**982.9**	**1021.4**	**1060.8**	**1045.3**
ALSO DIVIDED AS													
APPAREL		*1461.3*	*1277.1*	*1255.0*	*1489.3*	*289.0*	*316.4*	*314.0*	*335.6*	*363.6*	*390.5*	*372.6*	*362.6*
HOME FURNISHINGS		*1630.0*	*1559.0*	*1536.9*	*1625.8*	*365.7*	*380.0*	*385.2*	*406.0*	*371.0*	*385.1*	*436.8*	*432.9*
INDUSTRIAL		*914.1*	*992.1*	*973.2*	*995.3*	*240.7*	*234.7*	*248.4*	*249.4*	*248.3*	*245.8*	*251.4*	*249.8*

a. Olefin quantities are included in All Other

b. Rayon and nylon quantities are included in All Other

c. Nylon quantities are included in All Other

d. Rayon, acrylic and nylon quantities are included in All Other

e. Wet & dry laid and needled batts only

f. Acrylic quantities are included in All Other

TABLE 25:
SELECTED U.S. MONTHLY TEXTILE FIBER DATA

MILLION POUNDS

	1987												YEAR TO DATE[a]	
ITEM	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1987	1986
	TOTAL SHIPMENTS[b]													
MAN-MADE FIBER DATA[c]														
YARN+MONOFILAMENTS														
CELLULOSIC YARN	**14.6**	**13.7**											**28.3**	**35.0**
NYLON[d] - INDUSTRIAL[e]	31.0	32.8											63.8	55.8
- CARPET	75.1	77.6											152.7	140.7
- TEXTILE[g]	30.5	30.4											60.9	62.0
POLYESTER - INDUSTRIAL[e]	26.6	27.6											54.2	53.8
- TEXTILE[g]	63.3	64.0											127.3	155.1
OLEFIN[f]	92.3	87.6											179.9	159.3
TOTAL NONCELLULOSIC ABOVE	318.8	320.0											638.8	626.7
STAPLE+TOW+FIBERFILL														
RAYON	**34.1**	**29.7**											**63.8**	**64.9**
NYLON[d]	84.1	81.2											165.3	134.8
ACRYLIC+MODACRYLIC	49.2	50.7											99.9	98.0
POLYESTER	184.0	191.7											375.7	351.1
OLEFIN+VINYON[h]	28.2	27.9											56.1	49.4
TOTAL NONCELLULOSIC ABOVE	345.5	351.5											697.0	633.3
	END-OF-MONTH STOCK													
YARN+MONOFILAMENTS														
CELLULOSIC YARN	**17.9**	**18.2**											**18.2**	**12.2**
NYLON[d] - INDUSTRIAL[e]	29.2	24.9											24.9	25.6
- CARPET	56.6	55.5											55.5	51.8
- TEXTILE[g]	49.6	49.4											49.4	46.1
POLYESTER - INDUSTRIAL[e]	30.6	30.0											30.0	26.1
- TEXTILE[g]	85.6	88.8											88.8	90.3
OLEFIN[f]	54.7	55.3											55.3	69.4
TOTAL NONCELLULOSIC ABOVE	306.3	303.9											303.9	309.3
STAPLE+TOW+FIBERFILL														
RAYON	**24.3**	**26.1**											**26.1**	**21.1**
NYLON[d]	59.3	53.8											53.8	70.4
ACRYLIC+MODACRYLIC	68.2	67.9											67.9	66.3
POLYESTER	178.0	169.8											169.8	147.3
OLEFIN+VINYON[h]	33.3	32.6											32.6	33.7
TOTAL NONCELLULOSIC ABOVE	338.8	324.1											324.1	317.7
WOOL & COTTON CONSUMPTION														
APPAREL CLASS WOOL	13.0												13.0	12.6
CARPET CLASS WOOL	0.7												0.7	1.0
TOTAL RAW WOOL	13.7												13.7	13.6
RAW COTTON	276.4												276.4	269.5

a. "Year-to-date" totals for stock, are the latest month's figures.

b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

c. Producers' total domestic plus export shipments.

d. Data for nylon exclude Aramid.

e. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

f. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.

g. Low denier industrial nylon and polyester included with Textile.

h. 1987 data excludes Vinyon.

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TEXTILE ORGANON

Volume 58, No. 4 ☐ April 1987

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MONTHLY REVIEW

Highlights

***Textile Organon** Features:*

Import Update . . . begins on page 71.

Other Fiber Imports for Consumption . . . begins on page 74.

U.S. General Imports of Man-Made Fiber Apparel . . . see page 78.

In March, shipments of noncellulosic yarn+monofilaments totaled 336.7 million pounds, a 5.2% increase over February shipments of 320.0 million pounds.

- ***Nylon industrial yarn*** shipments fell 6.7% to 30.6 million pounds.
- ***Nylon carpet yarn*** shipments rose 3.0% to 79.9 million pounds.
- ***Polyester industrial yarn*** shipments increased by 5.8% to 29.2 million pounds.
- ***Olefin yarn*** shipments rose by 3.7% to 90.8 million pounds.

In March, noncellulosic staple+tow shipments totaled 375.0 million pounds, a 6.7% increase over the 351.5 million pounds shipped in February.

- ***Polyester staple+tow*** shipments increased by 6.3% to 203.8 million pounds.
- ***Acrylic staple*** shipments rose by 6.9% to 54.2 million pounds.
- ***Nylon staple*** shipments rose by 6.2% to 86.2 million pounds.

Cellulosic staple shipments rose by 21.5% to 36.1 million pounds in March.

TABLE 1:
TOTAL MAN-MADE FIBER SHIPMENTS

MILLION POUNDS & *PERCENT CHANGE*

ITEM	1987 MAR	1987 FEB	% [a]	1986 MAR	% [b]	YEAR TO DATE 1987	YEAR TO DATE 1986	% [c]
YARN+MONOFILAMENTS								
CELLULOSIC YARN	**15.9**	**13.7**	***+16.1***	**18.3**	***-13.1***	**44.2**	**53.3**	***-17.1***
NYLON[d] - INDUSTRIAL	30.6	32.8	*-6.7*	28.8	*+6.3*	94.4	84.6	*+11.6*
- CARPET	79.9	77.6	*+3.0*	71.1	*+12.4*	232.6	211.8	*+9.8*
- TEXTILE [e]	33.9	30.4	*+11.5*	31.7	*+6.9*	94.8	93.7	*+1.2*
POLYESTER - INDUSTRIAL	29.2	27.6	*+5.8*	27.9	*+4.7*	83.4	81.7	*+2.1*
- TEXTILE [e]	72.3	64.0	*+13.0*	69.8	*+3.6*	199.6	224.9	*-11.2*
OLEFIN	90.8	87.6	*+3.7*	84.4	*+7.6*	270.7	243.7	*+11.1*
TOTAL NONCELLULOSIC ABOVE	**336.7**	**320.0**	***+5.2***	**313.7**	***+7.3***	**975.5**	**940.4**	***+3.7***
STAPLE+TOW+FIBERFILL								
RAYON	**36.1**	**29.7**	***+21.5***	**33.0**	***+9.4***	**99.9**	**97.9**	***+2.0***
NYLON[d]	86.2	81.2	*+6.2*	64.3	*+34.1*	251.5	199.1	*+26.3*
ACRYLIC+MODACRYLIC	54.2	50.7	*+6.9*	52.2	*+3.8*	154.1	150.2	*+2.6*
POLYESTER	203.8	191.7	*+6.3*	173.7	*+17.3*	579.5	524.8	*+10.4*
OLEFIN+VINYON[f]	30.8	27.9	*+10.4*	28.7	*+7.3*	86.9	78.1	*+11.3*
TOTAL NONCELLULOSIC ABOVE	**375.0**	**351.5**	***+6.7***	**318.9**	***+17.6***	**1072.0**	**952.2**	***+12.6***

a. Percent change from previous month to current month.
b. Percent change to current month from same month last year.
c. Percent change from cumulative total last year to cumulative total this year.
d. Nylon excludes Aramid.
e. Low denier industrial nylon and polyester is included with Textile.
f. 1987 data excludes Vinyon.

Textile Organon

A Monthly Review

APRIL 1987

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IMPORT UPDATE

APPAREL IMPORTS CONTINUE TO RISE

***Editor's Note** - This report (pages 71-73) represents the continuing effort on the part of the Textile Economics Bureau to monitor the apparel import situation. For this report, annual data for 1981 - 1986 are provided for easy cross-reference.*

*The tables presented in this report include some estimated data. These estimated data reflect results obtained through extensive examination of primary market information and discussions with various market sources close to the import situation. As with previous import reports in the **Textile Organon,** the annual data are subject to revision as new and more complete information becomes available.*

MAN-MADE FIBER

During 1986, domestic shipments increased to 2,157 million pounds, gaining almost 4% over 1985 domestic shipments of 2,077 million pounds. On the other hand, total imports rose to 44% or 1,461 million pounds, up from the 42% import share in 1985.

COTTON

In 1986, over 48% of all apparel imports were primarily cotton. This compares to the man-made fiber and wool levels of 46% and 6% respectively.

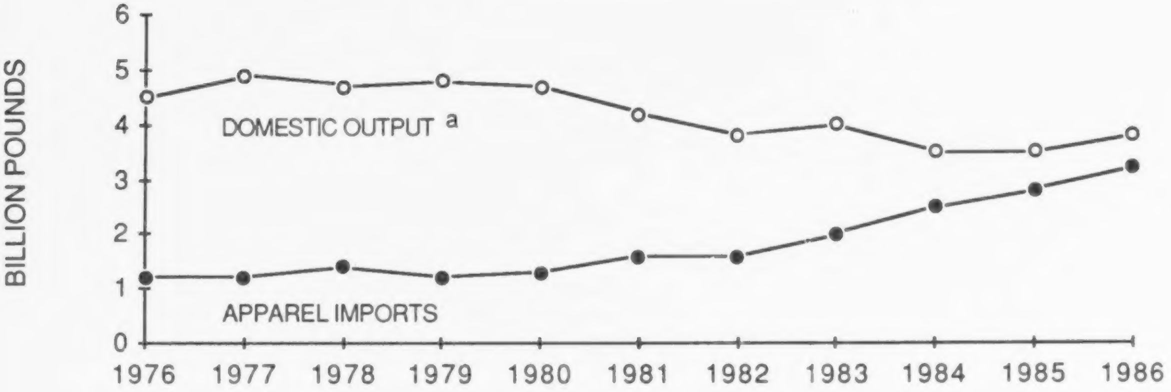
The available supply for cotton rose from 2,548 million pounds to 2,967 million pounds in 1986. Domestic output of cotton fabric improved during 1986, growing over 16%, while imports rose more than 17%.

WOOL

For 1986, domestic production of woolen apparel stood at 123 million pounds, almost 34% above the 1985 level of 92 million pounds.

Imports rose 3.2% in 1986, from 187 million pounds in 1985 to 193 million pounds in 1986.

GRAPH 1:
U.S. DOMESTIC OUTPUT OF APPAREL VS. APPAREL IMPORTS



a. Defined as the sum of cotton and woolen fabric from U.S. mills plus man-made fiber domestic shipments.

GRAPH 2:
U.S. APPAREL MARKET AVAILABLE-FOR-CONSUMPTION

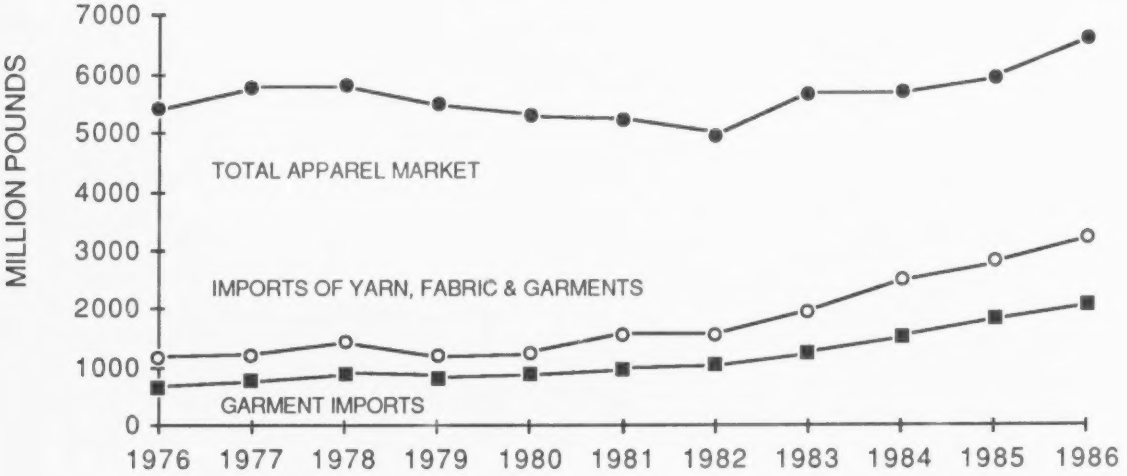


TABLE 2:
ESTIMATES OF THE APPAREL MARKET IN THE U.S. AVAILABLE-FOR-DOMESTIC-CONSUMPTION BASIS

MILLION POUNDS (RAW FIBER BASIS)

ITEM	1981			1982			1983			1984			1985			1986 PRELIMINARY		
	TOTAL	TOTAL IMPORTS	% IMP. OF TOT.	TOTAL	TOTAL IMPORTS	% IMP. OF TOT.	TOTAL	TOTAL IMPORTS	% IMP. OF TOT.	TOTAL	TOTAL IMPORTS	% IMP. OF TOT.	TOTAL	TOTAL IMPORTS	% IMP. OF TOT.	TOTAL	TOTAL IMPORTS	% IMP. OF TOT.
COTTON																		
IMPORTS OF YARN FOR APPAREL [a]	24	24		29	29		42	42		55	55		56	56		75	75	
+IMPORTS OF FABRIC FOR APPAREL [a,b]	280	280		227	227		280	280		361	361		348	348		444	444	
+FABRIC FROM U.S. MILLS	1291			1301			1324			1208			1304			1519		
ORGANON END USE SURVEY - COTTON APPAREL [c]	1595	304		1557	256		1646	322		1624	416		1708	404		2038	519	
+IMPORTS OF GARMENTS [a]	504	504		511	511		623	623		760	760		895	895		1002	1002	
-EXPORTS OF GARMENTS [a]	123			80			72			68			55			73		
TOTAL AVAILABLE FOR DOMESTIC CONSUMPTION	**1976**	**808**	***40.9***	**1988**	**767**	***38.6***	**2197**	**945**	***43.0***	**2316**	**1176**	***50.8***	**2548**	**1299**	***51.0***	**2967**	**1521**	***51.3***
MAN-MADE FIBERS																		
DOMESTIC SHIPMENTS FOR APPAREL [d]	2809			2362			2593			2199			2077			2157		
+IMPORTS OF FIBER AND YARN FOR APPAREL [e]	172	172		149	149		237	237		295	295		340	340		358	358	
+IMPORTS OF FABRIC FOR APPAREL [a,f]	90	90		90	90		121	121		206	206		182	182		181	181	
-EXPORTS OF SEMIMAUFACTURED PRODUCTS [a]	319			215			184			191			210			231		
ORGANON END USE SURVEY-MMF APPAREL [c]	2752	262		2393	239		2767	358		2509	501		2389	522		2465	539	
+IMPORTS OF GARMENTS [a]	437	437		487	487		576	576		689	689		798	798		922	922	
-EXPORTS OF GARMENTS [a]	121			75			71			79			65			74		
TOTAL AVAILABLE FOR DOMESTIC CONSUMPTION	**3068**	**699**	***22.9***	**2805**	**726**	***25.9***	**3272**	**934**	***28.5***	**3119**	**1190**	***38.2***	**3122**	**1320**	***42.3***	**3313**	**1461**	***44.1***
WOOL																		
IMPORTS OF YARN FOR APPAREL [a]	5	5		8	8		8	8		16	16		14	14		14	14	
+IMPORTS OF FABRIC FOR APPAREL [a]	28	28		26	26		28	28		39	39		36	36		25	25	
+FABRIC FROM U.S. MILLS	116			94			117			116			92			123		
ORGANON END USE SURVEY-WOOL APPAREL [c]	149	33		128	34		153	36		171	55		142	50		162	39	
+IMPORTS OF GARMENTS [a]	41	41		46	46		59	59		81	81		137	137		154	154	
-EXPORTS OF GARMENTS [a]	4			3			3			3			4			4		
TOTAL AVAILABLE FOR DOMESTIC CONSUMPTION	**186**	**74**	***39.8***	**171**	**80**	***46.8***	**209**	**95**	***45.5***	**249**	**136**	***54.6***	**275**	**187**	***68.0***	**312**	**193**	***60.0***
TOTAL (3 FIBERS) AVAILABLE FOR CONSUMPTION	**5230**	**1581**	***30.2***	**4964**	**1573**	***31.7***	**5678**	**1974**	***34.8***	**5684**	**2502**	***44.0***	**5945**	**2806**	***47.2***	**6592**	**3175**	***48.2***

NOTE: All data are *estimated* based on the most current information available at press time, and are subject to revision.

- a. See page 54 of the March 1987 ***Organon*** issue.
- b. Total cotton fabric imports less estimated quantities for nonapparel uses.
- c. See page 208 of the September 1986 ***Organon*** as revised.
- d. Domestic shipments of man-made fibers used in calculating the apparel end uses shown on page 208 of the September 1986 ***Organon.***
- e. Grand Total man-made fiber imports from page 32 of the February 1987 ***Organon*** less estimated quantities for nonapparel uses.
- f. Total man-made fiber fabric imports from page 54 of the March 1987 ***Organon*** less estimated quantities for nonapparel uses.

TABLE 3:
U.S. MILL CONSUMPTION OF FIBER AND DOMESTIC CONSUMPTION OF FIBER & PRODUCTS INCLUDING OTHER FIBERS

MILLION POUNDS & *PERCENT*

	MAN-MADE FIBER MILL CONSUMPTION= PRODUCERS' SHIPMENTS (DOM) PLUS IMPORTS FOR CONSUMPTION (IMP)																				
	CELLULOSIC FIBER											NONCELLULOSIC FIBER									
	YARN+MONOFIL			STAPLE+TOW			WASTE					YARN+MONOFIL			STAPLE+TOW			WASTE				
YEAR	DOM	IMP	TOTAL	DOM	IMP	TOTAL	SHIP	IMP	EXP	NET	TOTAL	DOM	IMP	TOTAL	DOM	IMP	TOTAL	SHIP	IMP	EXP	NET	TOTAL
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)
1973	589.9	18.1	608.0	734.5	47.4	781.9	36.8	- -	37.5	-0.7	1389.2	3273.7	140.1	3413.8	2848.4	112.8	2961.2	274.8	47.8	98.6	224.0	6599.0
1974	473.4	9.2	482.6	589.2	38.7	627.9	29.9	0.2	33.0	-2.9	1107.6	3142.3	92.1	3234.4	2450.5	73.2	2523.7	246.4	46.3	91.2	201.5	5959.6
1975	368.6	9.2	377.8	385.4	37.9	423.3	13.2	0.1	12.4	0.9	802.0	3214.8	53.8	3268.6	2553.5	55.2	2608.7	228.7	25.0	50.0	203.7	6081.0
1976	314.5	25.1	339.6	472.0	43.2	515.2	14.7	0.4	14.6	0.5	855.3	3147.2	64.0	3211.2	3018.5	67.3	3085.8	262.3	30.5	70.2	222.6	6519.6
1977	327.5	23.5	351.0	452.9	57.8	510.7	18.5	0.6	12.6	6.5	868.2	3461.4	92.5	3553.9	3373.1	52.9	3426.0	291.0	23.2	66.1	248.1	7228.0
1978	337.6	25.7	363.3	466.2	41.1	507.3	15.7	0.4	7.0	9.1	879.7	3641.9	52.2	3694.1	3505.5	60.5	3566.0	263.9	26.0	88.7	201.2	7461.3
1979	343.4	13.3	356.7	449.4	16.5	465.9	17.2	0.8	9.6	8.4	831.0	3797.6	20.0	3817.6	3713.5	39.3	3752.8	238.6	21.1	137.7	122.0	7692.4
1980	316.7	8.3	325.0	397.7	10.3	408.0	13.5	0.3	6.1	7.7	740.7	3532.0	19.6	3551.6	3482.5	35.6	3518.1	170.2	21.5	116.4	75.3	7145.0
1981	272.9	10.7	283.6	400.9	16.8	417.7	15.3	0.5	2.8	13.0	714.3	3483.1	18.9	3502.0	3327.9	60.5	3388.4	174.2	49.9	107.3	116.8	7007.2
1982	199.1	7.0	206.1	294.7	13.4	308.1	10.7	0.4	3.2	7.9	522.1	2893.9	23.8	2917.7	3037.6	51.2	3088.8	173.2	37.8	86.1	124.9	6131.4
1983	233.1	8.7	241.8	334.9	13.6	348.5	9.4	0.3	1.4	8.3	598.6	3385.4	48.3	3433.7	3671.9	101.4	3773.3	214.1	46.1	71.3	188.9	7395.9
1984	218.3	10.0	228.3	332.3	17.0	349.3	11.4	0.5	1.6	10.3	587.9	3308.6	90.0	3398.6	3494.2	131.1	3625.3	216.9	50.5	89.7	177.7	7201.6
1985	187.1	13.9	201.0	324.2	12.3	336.5	8.8	0.5	1.2	8.1	545.6	3559.2	104.6	3663.8	3441.4	159.4	3600.8	260.2	40.7	75.6	225.3	7489.9
1986	192.1	17.0	209.1	373.5	17.4	390.9	10.4	0.1	2.2	8.3	608.3	3621.2	126.1	3747.3	3737.4	182.8	3920.2	261.6	40.3	123.7	178.2	7845.7

See footnotes on opposite page.

TABLE 3:
U.S. MILL CONSUMPTION OF FIBER AND DOMESTIC CONSUMPTION OF FIBER & PRODUCTS INCLUDING OTHER FIBERS *(CONTINUED)*
MILLION POUNDS & *PERCENT*

	MILL CONSUMPTION OF 4 FIBERS										DOMESTIC CONSUMPTION OF 4 FIBERS (CONS)+MILL CONSUMPTION+IMPORTS (IMP) LESS EXPORTS (EXP) OF SEMIMANUFACTURED & MANUFACTURED PRODUCTS												
	MAN-MADE FIBER		COTTON		WOOL		OTHER FIBERS		TOTAL		MAN-MADE FIBER			COTTON			WOOL			OTHER FIBERS	TOTAL		
YEAR	LB	%	LB	%	LB	%	LB	%	LB	%	IMP	EXP	CONS	IMP	EXP	CONS	IMP	EXP	CONS	IMP	IMP	EXP	CONS
	(23)		(24)		(25)		(26)		(27)		(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)
1973	7988.2	*66.4*	3643.3	*30.3*	182.1	*1.5*	216.1	*1.8*	12029.7	*100.0*	465.3	288.2	8165.3	563.5	325.2	3881.6	61.3	30.8	212.6	1468.0	2558.1	644.2	13943.6
1974	7067.2	*66.1*	3306.1	*30.9*	116.5	*1.1*	200.8	*1.9*	10690.6	*100.0*	371.3	390.7	7047.8	502.7	392.5	3416.3	53.3	23.0	146.8	1447.3	2374.6	806.2	12259.0
1975	6883.0	*67.4*	3068.7	*30.0*	132.0	*1.3*	133.4	*1.3*	10217.1	*100.0*	400.4	322.4	6961.0	501.3	353.7	3216.3	48.6	19.2	161.4	904.6	1854.9	695.3	11376.7
1976	7374.9	*66.7*	3389.0	*30.6*	145.9	*1.3*	152.1	*1.4*	11061.9	*100.0*	479.5	352.2	7502.2	708.6	413.2	3684.4	66.7	13.9	198.7	1117.0	2371.8	779.3	12654.4
1977	8096.2	*70.1*	3169.8	*27.5*	133.9	*1.2*	144.6	*1.2*	11544.5	*100.0*	530.7	367.7	8259.2	669.4	369.5	3469.7	85.9	11.5	208.3	1071.4	2357.4	748.7	13153.2
1978	8341.0	*71.4*	3040.4	*26.0*	141.6	*1.2*	168.4	*1.4*	11691.4	*100.0*	642.6	441.7	8541.9	845.4	355.7	3530.1	92.2	11.6	222.2	1086.1	2666.3	809.0	13548.7
1979	8523.4	*71.7*	3066.4	*25.8*	134.4	*1.1*	167.9	*1.4*	11892.1	*100.0*	525.0	596.6	8451.8	746.1	478.0	3334.5	80.6	14.0	201.0	1021.9	2373.6	1088.6	13177.1
1980	7885.7	*70.3*	3064.4	*27.4*	137.8	*1.2*	127.1	*1.1*	11215.0	*100.0*	540.6	771.5	7654.8	810.9	523.1	3352.2	85.1	23.8	199.1	807.0	2243.6	1318.4	12140.2
1981	7721.5	*72.0*	2730.8	*25.8*	152.7	*1.4*	126.5	*1.2*	10731.5	*100.0*	639.1	637.7	7722.9	961.9	367.3	3325.4	93.1	11.8	234.0	783.8	2477.9	1016.8	12192.6
1982	6653.5	*70.8*	2478.9	*26.4*	129.5	*1.4*	130.9	*1.4*	9392.8	*100.0*	697.9	438.5	6912.9	897.2	253.4	3122.7	100.1	10.8	218.8	636.2	2331.4	702.7	11021.5
1983	7994.5	*72.4*	2795.7	*25.3*	162.5	*1.4*	96.6	*0.9*	11049.3	*100.0*	1069.4	460.7	8603.2	1135.4	219.6	3711.5	131.1	18.9	274.7	711.4	3047.3	699.2	13397.4
1984	7789.5	*72.7*	2668.2	*25.0*	163.2	*1.5*	84.8	*0.8*	10705.7	*100.0*	1342.0	488.0	8643.5	1464.8	204.6	3928.4	189.4	15.1	337.5	712.4	3708.6	707.7	13706.6
1985	8035.5	*72.7*	2796.0	*25.3*	134.7	*1.2*	91.4	*0.8*	11057.6	*100.0*	1397.0	460.3	8972.2	1578.8	210.7	4164.1	248.9	19.3	364.3	698.3	3923.0	690.3	14290.3
1986	8454.0	*70.6*	3297.5	*27.6*	164.5	*1.4*	42.2	*0.4*	11958.2	*100.0*	1684.3	506.2	9632.1	1881.3	271.3	4907.5	255.3	13.8	406.0	659.2	4480.1	791.3	15647.0

NOTE: Data on Glass Fiber is no longer available due to company disclosure. The series, including Glass Fiber, was last published in the March 1985 issue.

SOURCES OF DATA, ARRANGED BY COLUMN NUMBER ( ):

All Census import and export commodity numbers are as of January 1987.

1&4: March issue on page 50.
12&15: March issue on page 51.
7&18: March issue on page 55.
2: Import Classes 309.0310, .0610, .2000, 310.0106, .0130, .0206, .0230 & .0610.
5: Import Classes 309.3010, .3310, .4320 & .4325.
8: Import Classes 309.6615 & .7510.
9: Export Class 309.7400.
13: Import Classes 309.0200, .0330, .0340, .0365, .0500, .0630, .0640, .0665, .2100, .2500, 310.0107, .0108, .0110, .0114, .0149, .0150, .0170, .0207, .0208, .0210, .0214, .0249, .0250, .0270, .0550, .0630 & .0650.
16: Import Classes 309.3030, .3040, .3050, .3065, .3200, .3340, .3350, .3365, .4331, .4336, .4341, .4351, .4361, .4366, .4371 & .4390.
19: Import Classes 309.6625, .6630, .6645, .6660, .7000 & .7525 - .7555.
20: Export Classes 309.7620, .7630, .7640 & .7660.
24: U.S. Census Bureau Report M22P.
25: U.S. Census Bureau Report M22D.
26: This issue page 76.
28, 29, 31, 32, 34 & 35: Cotton and Wool Outlook & Situation (U.S. Department of Agriculture)
37: This issue page 76.

CERTAIN TOTALS IN THE TABLES:

(Obvious totals such as Columns 1+2=3, 4+5=6, etc. are not described here.)

10: Columns 7+8-9
21: Columns 18+19-20
23: Columns 11+22
30: Columns 23+28-29
33: Columns 24+31-32
36: Columns 25+34-35
40: Columns 27+38-39

TABLE 4:
IMPORTS FOR CONSUMPTION
MILLION POUNDS

YEAR	SILK				LINEN				JUTE				SISAL & OTHERS				TOTAL IMP TO THE LEFT
	RAW MATL	SEMI-MFRD	FIN-ISHED	TOTAL	RAW MATL	SEMI-MFRD	FIN-ISHED	TOTAL	RAW MATL	SEMI-MFRD	FIN-ISHED	TOTAL	RAW MATL	SEMI-MFRD	FIN-ISHED	TOTAL	
1973	3.4	2.2	0.8	6.4	2.4	7.9	54.3	64.6	69.2	865.7	10.5	945.4	141.1	7.4	303.1	451.6	1468.0
1974	2.6	1.0	0.6	4.2	2.2	6.8	34.3	43.3	62.4	798.4	9.7	870.5	133.6	8.9	386.8	529.3	1447.3
1975	1.0	0.9	0.7	2.6	0.8	4.3	28.4	33.5	46.9	488.8	20.8	556.5	84.7	8.4	218.9	312.0	904.6
1976	2.8	1.4	1.3	5.5	0.9	4.8	34.3	40.0	46.2	583.3	60.9	690.4	102.2	7.6	271.3	381.1	1117.0
1977	1.6	2.0	1.8	5.4	0.4	3.4	35.2	39.0	26.7	597.9	29.2	653.8	115.9	3.7	253.6	373.2	1071.4
1978	2.0	3.6	3.5	9.1	1.0	5.2	36.2	42.4	37.6	588.6	38.2	664.4	127.8	8.4	234.0	370.2	1086.1
1979	1.5	2.8	3.9	8.2	0.9	5.1	30.4	36.4	48.5	488.8	13.5	550.8	117.0	4.7	304.8	426.5	1021.9
1980	1.0	3.1	4.4	8.5	0.6	2.9	27.7	31.2	20.9	380.4	13.6	414.9	104.6	5.6	242.2	352.4	807.0
1981	2.0	4.7	8.3	15.0	2.9	2.2	22.2	27.3	38.7	382.9	13.4	435.0	82.9	11.9	211.7	306.5	783.8
1982	2.0	4.9	10.1	17.0	7.8	1.7	20.0	29.5	39.5	277.0	12.1	328.6	81.6	9.9	169.6	261.1	636.2
1983	1.6	5.6	1.5	8.7	3.8	2.3	a	6.1	30.4	297.8	6.6	334.8	60.8	25.9	275.1	361.8	711.4
1984	1.4	7.3	2.3	11.0	4.8	3.2	a	8.0	20.0	261.8	4.8	286.6	58.6	38.8	309.4	406.8	712.4
1985	1.5	6.8	2.9	11.2	3.0	1.4	a	4.4	29.2	201.2	7.2	237.6	57.7	31.8	355.6	445.1	698.3
1986 b	1.0	6.8	2.7	10.5	3.0	1.7	a	4.7	27.2	230.5	21.0	278.7	11.0	28.3	326.0	365.3	659.2

SOURCE: U.S. Census Bureau.

a. Due to changes in the tariff classifications, Linen Finished Goods are included in Sisal & Others Finished Goods.

b. These figures are preliminary for 1986.

Because these fibers are not grown in the United States (flax production is nominal), imports are taken as the total available supply.

SILK: **Raw material** means raw silk plus silk waste & noils. **Semimanufactured** means spun & thrown silk yarns and silk fabrics. **Finished goods** are mainly scarves, handkerchiefs, blouses and laces.

LINEN: **Raw material** includes hackled and unhackled flax, noils, tow & straw. **Semimanufactured** includes linen yarn, sliver & roving. **Finished goods** are mainly fabrics, handkerchiefs, toweling, napery & dresses.

JUTE: **Raw material** includes unmanufactured jute and jute butts. **Semimanufactured** means yarn & roving, new & waste bagging and burlap in the piece. **Finished goods** are mainly cordage, bags and webbing.

SISAL & OTHERS: Includes all of the *hard or leaf fibers* (e.g., abaca or manila hemp, coir, crin, henequen, istle or tampico, sisal, etc.) **imported** into the United States plus the *soft or bast fibers* (e.g., hemp, ramie, sunn, etc.) except flax or linen and jute, which are tabulated separately here. **Semimanufactured** is chiefly coir yarns & roving. **Finished goods** are mainly cordage and twine.

GRAPH 3:
TOTAL AVAILABLE FOR DOMESTIC CONSUMPTION

MAN-MADE FIBERS, COTTON, WOOL & OTHER FIBERS

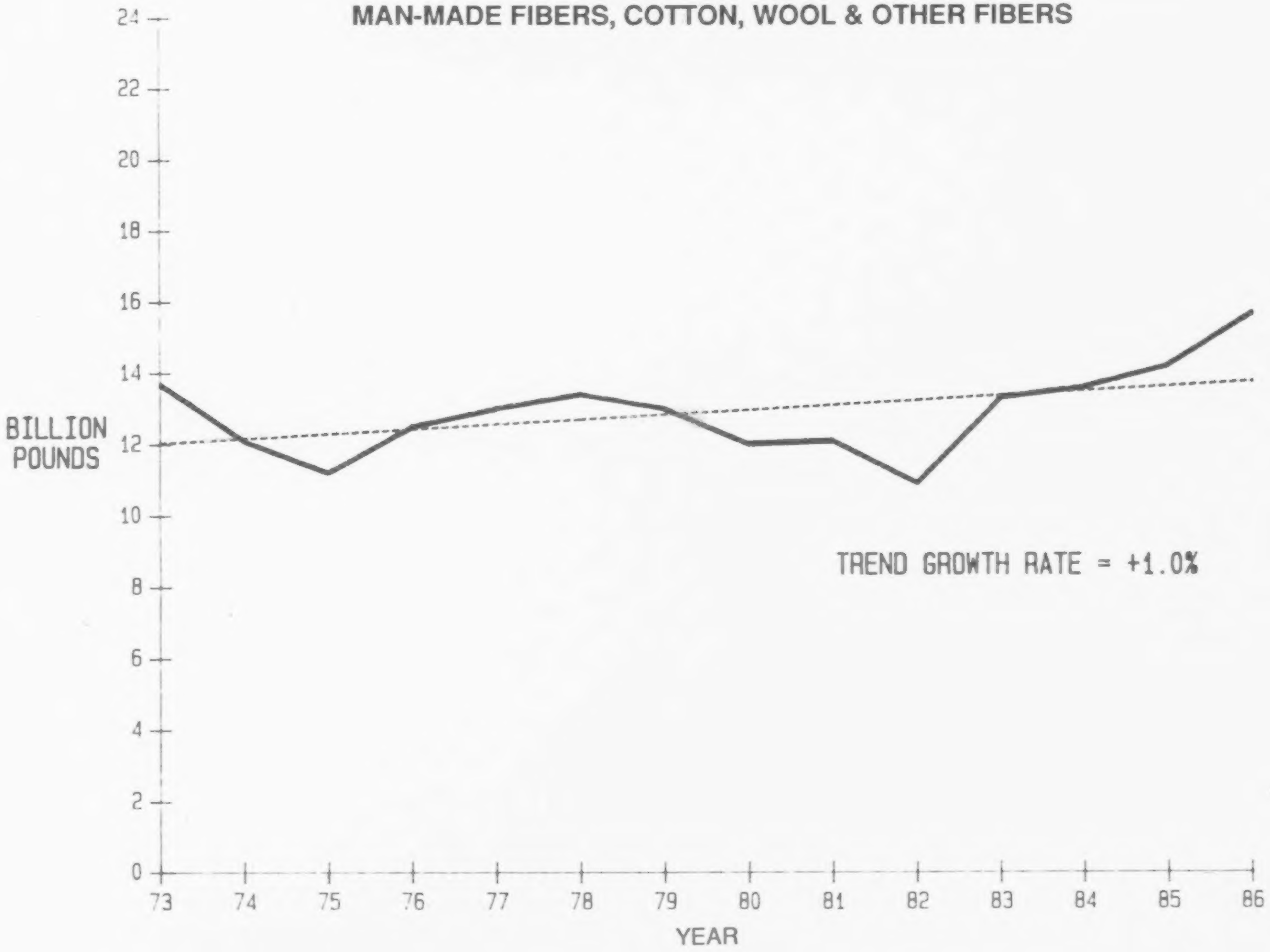


TABLE 5:
U.S. GENERAL IMPORTS OF MAN-MADE FIBER APPAREL
MILLIONS OF EQUIVALENT SQUARE YARDS & *Percent*

COUNTRY	1982	%^{b}	1983	%^{a}	%^{b}	1984	%^{a}	%^{b}	1985	%^{a}	%^{b}	1986	%^{a}	%^{b}
CHINA, P.R.C.	192	*9.2*	213	*+10.9*	*8.9*	231	*+8.5*	*8.1*	240	*+3.9*	*7.7*	406	*+69.2*	*11.2*
HONG KONG	240	*11.4*	275	*+14.6*	*11.6*	321	*+16.7*	*11.3*	327	*+1.9*	*10.7*	333	*+1.8*	*9.1*
INDIA	4	*0.2*	8	*+100.0*	*0.3*	12	*+50.0*	*0.4*	16	*+33.3*	*0.5*	26	*+62.5*	*0.7*
INDONESIA	7	*0.3*	14	*+100.0*	*0.6*	74	*+428.6*	*2.6*	94	*+27.0*	*3.1*	103	*+9.6*	*2.8*
ISRAEL	4	*0.2*	4	--	*0.2*	4	--	*0.1*	10	*+150.0*	*0.3*	12	*+20.0*	*0.3*
JAPAN	26	*1.2*	35	*+34.6*	*1.5*	53	*+51.4*	*1.9*	72	*+35.8*	*2.3*	57	*-20.8*	*1.6*
KOREA, REP. OF	522	*24.9*	575	*+10.2*	*24.2*	614	*+6.8*	*21.7*	585	*-4.7*	*19.0*	801	*+36.9*	*22.1*
MACAO	21	*1.0*	25	*+19.0*	*1.1*	34	*+36.0*	*1.2*	28	*-17.6*	*0.9*	36	*+28.6*	*1.0*
MALAYSIA	7	*0.3*	8	*+14.3*	*0.3*	30	*+275.0*	*1.2*	60	*+100.0*	*2.0*	66	*+10.0*	*1.8*
PHILIPPINES	108	*5.1*	120	*+11.1*	*5.0*	163	*+35.8*	*5.7*	180	*+10.4*	*5.9*	191	*+6.1*	*5.2*
SINGAPORE	48	*2.3*	54	*+12.5*	*2.3*	86	*+59.3*	*3.0*	110	*+27.9*	*3.6*	132	*+20.0*	*3.6*
SRI LANKA	20	*1.0*	22	*+10.0*	*0.9*	38	*+72.7*	*1.3*	41	*+7.9*	*1.3*	56	*+36.6*	*1.6*
TAIWAN	660	*31.4*	750	*+13.6*	*31.5*	793	*+5.7*	*28.0*	805	*+1.5*	*26.1*	832	*+3.4*	*23.0*
THAILAND	37	*1.8*	46	*+24.3*	*1.9*	77	*+67.4*	*2.7*	88	*+14.3*	*2.9*	52	*-40.9*	*1.4*
OTHER ASIA,AFRICA&OCEANIA	2	*0.1*	4	*+100.0*	*0.2*	13	*+225.0*	*0.5*	47	*+261.5*	*1.5*	88	*+87.2*	*2.4*
TOTAL ASIA,AFRICA&OCEANIA	1898	*90.4*	2153	*+13.4*	*90.5*	2543	*+18.1*	*89.7*	2703	*+6.3*	*87.8*	3191	*+18.1*	*87.8*
BARBADOS	6	*0.3*	8	*+33.3*	*0.3*	4	*-50.0*	*0.1*	6	*+50.0*	*0.2*	5	*-16.7*	*0.1*
BELIZE	2	*0.1*	2	--	*0.1*	+	*-100.0*	--	4	*+500.0*	*0.1*	4	--	*0.1*
CANADA	3	*0.1*	3	--	*0.1*	4	*+33.3*	*0.1*	7	*+75.0*	*0.2*	8	*+14.3*	*0.2*
COLOMBIA	5	*0.2*	5	--	*0.3*	7	*+40.0*	*0.2*	8	*+14.3*	*0.3*	9	*+12.5*	*0.2*
COSTA RICA	19	*0.9*	24	*+26.3*	*1.0*	25	*+4.2*	*0.9*	23	*-8.0*	*0.7*	27	*+17.4*	*0.8*
DOMINICAN REPUBLIC	38	*1.8*	43	*+13.2*	*1.8*	51	*+18.6*	*1.8*	57	*+11.8*	*2.0*	79	*+38.6*	*2.4*
EL SALVADOR	1	*0.1*	1	--	--	1	--	--	2	*+100.0*	*0.1*	3	*+50.0*	*0.1*
GUYANA	3	*0.1*	3	--	*0.1*	1	*-66.7*	--	+	*-100.0*	--	1	--	--
HAITI	33	*1.7*	40	*+21.2*	*1.7*	42	*+5.0*	*1.6*	49	*+16.7*	*1.7*	59	*+20.4*	*1.7*
HONDURAS	5	*0.2*	4	*-20.0*	*0.2*	5	*+25.0*	*0.2*	5	--	*0.2*	5	--	*0.1*
JAMAICA	2	*0.1*	3	*+50.0*	*0.1*	5	*+66.7*	*0.2*	8	*+60.0*	*0.3*	17	*+112.5*	*0.6*
LEEWARD & WINDWARD IS.	8	*0.4*	10	*+25.0*	*0.4*	12	*+20.0*	*0.4*	--	--	--	--	--	--
MEXICO	42	*2.0*	40	*-4.8*	*1.7*	56	*+40.0*	*2.0*	80	*+42.9*	*2.7*	75	*-6.3*	*2.3*
NICARAGUA	+	--	+	--	--	+	--	--	+	--	--	--	--	--
OTHER AMERICAS	3	*0.1*	4	*+33.3*	*0.2*	15	*+275.0*	*0.5*	35	*+133.3*	*1.1*	31	*-11.4*	*1.0*
TOTAL AMERICAS	170	*8.1*	190	*+11.8*	*8.0*	228	*+20.0*	*8.0*	284	*+24.6*	*9.6*	323	*+13.7*	*9.6*
FRANCE	2	*0.1*	4	*+100.0*	*0.2*	5	*+25.0*	*0.2*	7	*+40.0*	*0.2*	6	*-14.3*	*0.2*
GERMANY, FED. REP. OF	1	*0.1*	1	--	--	2	*+100.0*	*0.1*	4	*+100.0*	*0.1*	1	*-75.0*	--
ITALY	6	*0.3*	7	*+16.7*	*0.3*	17	*+142.9*	*0.6*	22	*+29.4*	*0.6*	19	*-13.6*	*0.5*
POLAND	3	*0.1*	3	--	*0.1*	5	*+66.7*	*0.2*	4	*-20.0*	*0.1*	4	--	*0.1*
PORTUGAL	1	*0.1*	1	--	--	2	*+100.0*	*0.1*	5	*+150.0*	*0.2*	8	*+60.0*	*0.2*
ROMANIA	15	*0.5*	14	*-6.7*	*0.6*	17	*+21.4*	*0.6*	16	*-5.9*	*0.5*	19	*+18.8*	*0.5*
SPAIN	1	*0.1*	2	*+100.0*	*0.1*	2	--	*0.1*	2	--	*0.1*	2	--	*0.1*
UNITED KINGDOM	1	*0.1*	2	*+100.0*	*0.1*	4	*+100.0*	*0.1*	7	*+75.0*	*0.2*	8	*+14.3*	*0.2*
YUGOSLAVIA	+	--	+	--	--	4	*+400.0*	*0.1*	5	*+25.0*	*0.2*	10	*+100.0*	*0.3*
OTHER EUROPE	1	*0.1*	3	*+200.0*	*0.1*	7	*+133.3*	*0.2*	11	*+57.1*	*0.4*	17	*+54.5*	*0.5*
TOTAL EUROPE	31	*1.5*	37	*+19.4*	*1.5*	65	*+75.7*	*2.3*	83	*+27.7*	*2.6*	94	*+13.3*	*2.6*
GRAND TOTAL	2099	*100.0*	2380	*+13.4*	*100.0*	2836	*+19.2*	*100.0*	3070	*+8.3*	*100.0*	3608	*+17.5*	*100.0*

Source: U.S. Department of Commerce - T Q 2310.

+ Means nominal quantity.   -- Means nominal percentage.   a. Percent change from previous year.   b. Percent of total apparel imports.

TRADE BAROMETER

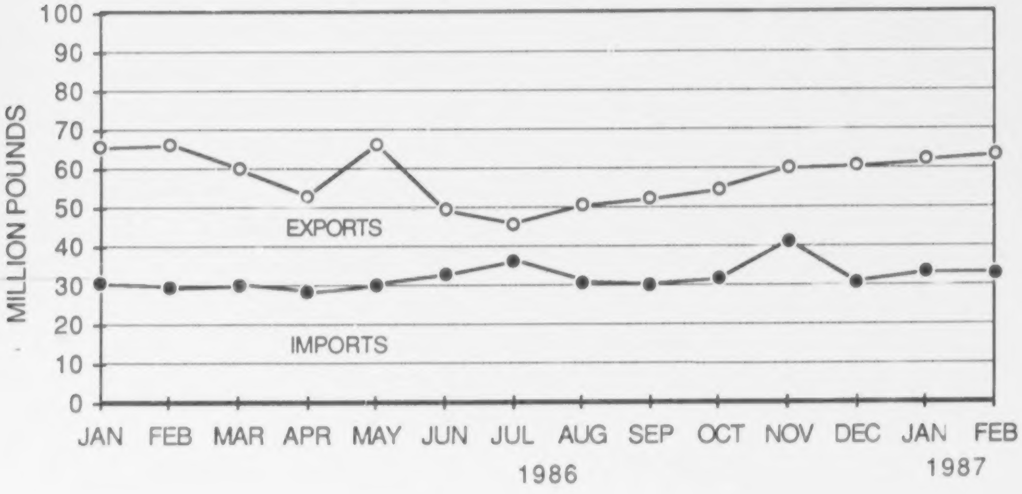
MAN-MADE FIBER TRADE BALANCE RISES:

In February, the U.S. man-made fiber balance of trade rose to 30.3 million pounds, up 4.8% from 28.9 million pounds in January.

February fiber exports totaled 63.5 million pounds, up 2.1% from the previous month's exports. Imports of 33.2 million pounds remained virtually unchanged from 33.3 million pounds in January.

Noncellulosic yarn+monofilament imports rose to 11.8 million pounds, up almost 13% from the January 1987 level of 10.4 million pounds. In February, Fed. Rep. of Germany emerged as a significant supplier of these, accounting for over 20% of February imports. From Canada and Mexico, February imports of noncellulosic yarn+monofilament were up 17% and 17% respectively.

GRAPH 4:
IMPORTS VS. EXPORTS OF MAN-MADE FIBER



GRAPH 5:
MAN-MADE FIBER MONTHLY TRADE BALANCE

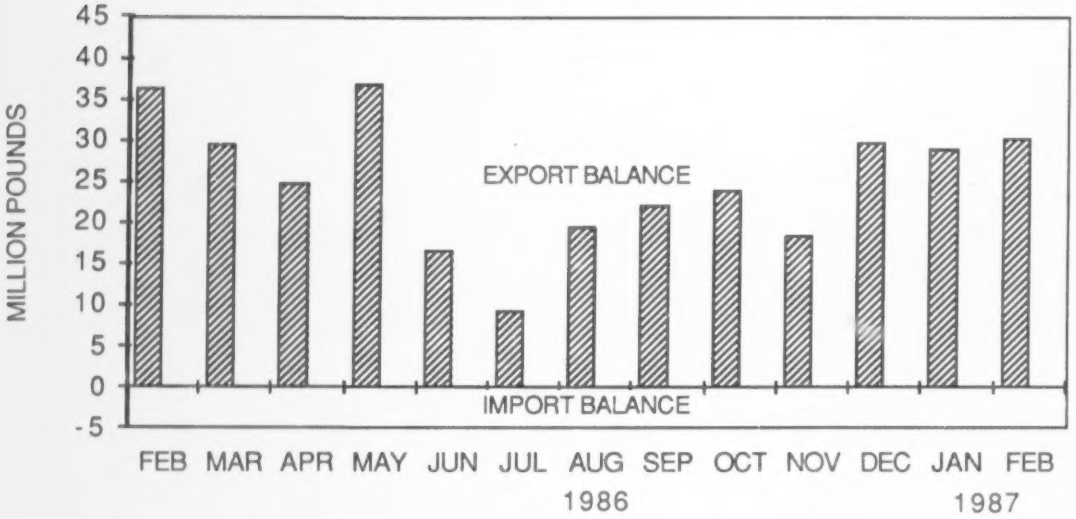


TABLE 6:
MAN-MADE FIBER MONTHLY TRADE BALANCE
MILLION POUNDS

	CELLULOSIC YARN & MONOFIL			CELLULOSIC STAPLE+TOW			NONCELLULOSIC YARN & MONOFIL			NONCELLULOSIC STAPLE+TOW			CELLULOSIC WASTE			NONCELLULOSIC WASTE			TOTAL		
1986	IMP	EXP	BAL	IMP	EXP	BAL	IMP	EXP	BAL	IMP	EXP	BAL	IMP	EXP	BAL	IMP	EXP	BAL	IMP	EXP	BAL
JANUARY	1.4	0.5	-0.9	1.6	2.4	+0.8	8.3	28.9	+20.6	16.0	25.2	+9.2	+	0.1	+0.1	3.4	8.5	+5.1	30.7	65.6	+34.9
FEBRUARY	1.3	0.5	-0.8	1.1	2.6	+1.5	8.4	24.1	+15.7	14.9	27.0	+12.1	0	0.2	+0.2	3.9	11.9	+8.0	29.6	66.3	+36.7
MARCH	1.4	0.7	-0.7	1.5	5.5	+4.0	8.8	23.3	+14.5	15.1	20.7	+5.6	+	0.2	+0.2	3.4	9.6	+6.2	30.2	60.0	+29.8
APRIL	1.6	0.7	-0.9	1.4	1.0	-0.4	7.3	20.9	+13.6	14.6	18.6	+4.0	+	0.3	+0.3	3.5	11.7	+8.2	28.4	53.2	+24.8
MAY	2.0	0.8	-1.2	1.2	2.6	+1.4	9.9	29.9	+20.0	14.1	22.7	+8.6	+	0.1	+0.1	3.3	10.3	+7.0	30.5	66.4	+35.9
JUNE	1.3	0.6	-0.7	1.3	1.7	+0.4	12.3	19.4	+7.1	14.2	18.2	+4.0	+	0.2	+0.2	3.7	9.4	+5.7	32.8	49.5	+16.7
JULY	1.2	0.6	-0.6	1.7	3.2	+1.5	13.0	19.5	+6.5	16.6	17.8	+1.2	0	0.1	+0.1	3.9	4.8	+0.9	36.4	46.0	+9.6
AUGUST	1.2	0.4	-0.8	1.5	3.0	+1.5	11.2	17.8	+6.6	14.7	18.2	+3.5	0	0.4	+0.4	2.3	10.7	+8.4	30.9	50.5	+19.6
SEPTEMBER	1.3	0.8	-0.5	1.7	1.6	-0.1	9.4	17.7	+8.3	14.6	21.1	+6.5	+	0.1	+0.1	3.3	11.1	+7.8	30.3	52.4	+22.1
OCTOBER	1.3	0.7	-0.6	1.7	3.3	+1.6	11.5	16.1	+4.6	14.8	23.6	+8.8	+	0.4	+0.4	2.5	10.7	+8.2	31.8	54.8	+23.0
NOVEMBER	1.7	0.5	-1.2	1.8	3.8	+2.0	14.3	17.8	+3.5	19.6	23.2	+3.6	0	0.2	+0.2	4.1	14.5	+10.4	41.5	60.0	+18.5
DECEMBER	1.2	0.5	-0.7	0.9	1.9	+1.0	11.4	20.2	+8.8	14.3	27.5	+13.2	0	+	+	3.0	10.5	+7.5	30.8	60.6	+29.8
TOTAL	16.9	7.3	-9.6	17.4	32.6	+15.2	125.8	255.6	+129.8	183.5	263.8	+80.3	+	2.3	+2.3	40.3	123.7	+83.4	383.9	685.3	+301.4
1987																					
JANUARY	1.3	0.5	-0.8	1.0	4.0	+3.0	10.4	17.6	+7.2	16.8	32.4	+15.6	0	0.2	+0.2	3.8	7.5	+3.7	33.3	62.2	+28.9
FEBRUARY	0.8	0.5	-0.3	1.4	1.8	+0.4	11.8	18.7	+6.9	15.5	32.1	+16.6	0	0.2	+0.2	3.7	10.2	+6.5	33.2	63.5	+30.3

SOURCES: The fiber import and export data are from the U.S. Bureau of the Census (Reports IM145X and EM522).

+ Net export balance.

- Net import balance.

TABLE 7:
SELECTED U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION BY COUNTRY OF ORIGIN
THOUSAND POUNDS

	1987												YEAR TO DATE	
ITEMS & COUNTRY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1987	1986
CELLULOSIC YARN, MONOFIL & STRIPS														
BRAZIL	86	29											115	138
CANADA	425	368											793	620
GERMANY, FED. REP. OF	442	229											671	766
JAPAN	209	10											219	136
KOREA, REP. OF	1	0											1	140
MEXICO	3	15											18	195
NETHERLANDS	101	43											144	376
ALL OTHER COUNTRIES[a]	0	141											141	306
TOTAL CELLULOSIC YARN	1267	835											2102	2677
CELLULOSIC STAPLE+TOW														
AUSTRIA	0	40											40	259
CANADA	749	1188											1937	1758
JAPAN	59	168											227	218
MEXICO	0	0											0	310
UNITED KINGDOM	46	5											51	144
ALL OTHER COUNTRIES[b]	131	23											154	11
TOTAL CELLULOSIC STAPLE+TOW	985	1424											2409	2700
NONCELLULOSIC YARN, MONOFIL & STRIPS														
AUSTRALIA	4	19											23	16
AUSTRIA	0	17											17	120
BELGIUM	1408	1377											2785	3053
CANADA	890	1976											2866	1620
COSTA RICA	729	515											1244	910
FRANCE	686	685											1371	1094
GERMANY, FED. REP. OF	1744	2397											4141	2394
IRELAND	81	58											139	0
ISRAEL	162	233											395	690
ITALY	1202	866											2068	1319
JAPAN	964	570											1534	1199
MEXICO	1167	2037											3204	1045
NETHERLANDS	93	184											277	287
ROMANIA	32	0											32	51
SOUTH AFRICA	88	0											88	1719
SWITZERLAND	253	+											253	148
TAIWAN	14	2											16	75
UNITED KINGDOM	735	39											774	1083
ALL OTHER COUNTRIES[c]	172	785											957	356
TOTAL NONCELLULOSIC YARN	10424	11760											22184	17179
NONCELLULOSIC STAPLE+TOW														
AUSTRALIA	0	0											0	94
BELGIUM	21	36											57	43
BRAZIL	0	438											438	95
CANADA	3125	3071											6196	4481
FRANCE	955	588											1543	1980
GERMANY, FED. REP. OF	2586	2611											5197	5832
IRELAND	109	0											109	81
ISRAEL	62	0											62	123
ITALY	2265	1616											3881	2985
JAPAN	1849	1623											3472	3442
KOREA, REP. OF	935	844											1779	847
MEXICO	1586	1554											3140	2130
ROMANIA	372	86											458	298
SOUTH AFRICA	0	0											0	168
SWITZERLAND	71	139											210	137
TAIWAN	1911	1487											3398	3692
UNITED KINGDOM	777	1280											2057	4159
ALL OTHER COUNTRIES[d]	133	108											241	366
TOTAL NONCELLULOSIC STAPLE+TOW	16757	15481											32238	30953

+ Nominal quantity.

Other countries supplying 1987 quantities are:

[a] Austria 138, France 2, Belgium 1.

[b] Italy 88, Sweden 43, Germany, Fed. Rep. of 23, France.

[c] Yugoslavia 596, Denmark 93, Singapore 73, Korea, Rep. of 62, Turkey 39, Morocco 33, Argentina 28, Philippines 27, Thailand 4, Brazil 1, Iceland 1, Hong Kong.

[d] Malaysia 143, Austria 61, Hong Kong 36, Portugal 1, Netherlands.

TABLE 8:
U.S. EXPORTS OF MAN-MADE FIBERS
THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/87	1987												YEAR TO DATE	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1987	1986
CELLULOSIC FIBERS															
FILAMENT YARN [a]															
TEXTURED	310.0004	43	100											143	3
OTHER [b]	310.0026	475	365											840	982
MONOFILAMENTS	309.0110	0	0											0	21
STRIPS	309.2210	1	1											2	0
SUBTOTAL ABOVE		**519**	**466**											**985**	**1006**
STAPLE+TOW-RAYON	309.4222	3930	1732											5662	4744
STAPLE-ACETATE	309.4219	33	112											145	277
SUBTOTAL ABOVE		**3963**	**1844**											**5807**	**5021**
WASTE, ADVANCED&NOT ADVANCED	309.7400	**231**	**169**											**400**	**301**
NONCELLULOSIC FIBERS															
YARN - SINGLES															
NYLON - TEXTURED	310.0005 & .0007	2678	2441											5119	3398
- HIGH TENACITY [c]	310.0027	7294	6373											13667	12594
- OTHER	310.0029	636	684											1320	1914
POLYESTER - TEXTURED	310.0010	2151	2949											5100	15936
- HIGH TENACITY [c]	310.0032	1691	1913											3604	3387
- OTHER [d]	310.0034	160	233											393	863
OTHER - TEXTURED	310.0014	1053	1386											2439	9906
- OLEFIN	310.0040	74	35											109	1018
- OTHER	310.0044	389	577											966	812
MONOFILAMENTS, ALL DENIERS															
NYLON	309.0120	416	687											1103	663
POLYESTER	309.0140	322	523											845	1166
OTHER	309.0170	478	492											970	733
STRIPS	309.2220 & .2270	259	424											683	603
SUBTOTAL ABOVE		**17601**	**18717**											**36318**	**52993**
STAPLE - NYLON	309.4240	2060	1757											3817	2341
- POLYESTER	309.4242	18819	17019											35838	16559
- ACRYLIC	309.4245	4792	3355											8147	16516
- OLEFIN	309.4246	1893	2016											3909	3171
- OTHER	309.4247	1004	3194											4198	3352
GROUPED FILAMENTS															
NYLON	309.3220	283	737											1020	588
POLYESTER [d]	309.3240	1941	1832											3773	4794
ACRYLIC	309.3250 & .3255	1653	2207											3860	4865
SUBTOTAL ABOVE		**32445**	**32117**											**64562**	**52186**
WASTE, ADVANCED&NOT ADVANCED															
- NYLON	309.7620	1021	1143											2164	1105
- POLYESTER	309.7630	2830	4649											7479	9526
- ACRYLIC	309.7640	1086	1362											2448	1193
- OTHER	309.7660	2543	3090											5633	8632
SUBTOTAL ABOVE		**7480**	**10244**											**17724**	**20456**
TOTAL MAN-MADE ABOVE		**62239**	**63557**											**125796**	**131963**
TEXTILE GLASS FIBER	309.2700 & .9700	5992	6585											12577	8906
GRAND TOTAL ABOVE		**68231**	**70142**											**138373**	**140869**

SOURCE: U.S. Census Bureau Report EM522.

a. Includes thrown, singles and plied yarn.

b. Includes an undetermined amount of rayon tire cord and cord fabric.

c. Includes an undetermined amount of noncellulosic tire cord and cord fabric.

d. Includes zero twist yarns.

TABLE 9:
U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/87	1987												YEAR TO DATE	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1987	1986
CELLULOSIC FIBERS															
YARN - SINGLES															
TEXTURED	310.0106 & .0206	29	139											168	58
OTHER	310.0130 & .0230[a]	1237	691											1928	2489
MONOFILAMENTS	309.0310 & .0610	0	5											5	5
STRIPS, $1/LB & UNDER	309.2000*	1	0											1	125
SUBTOTAL ABOVE		**1267**	**835**											**2102**	**2677**
STAPLE	309.4320 & .4325	867	1402											2269	2521
GROUPED FILAMENTS	309.3010 & .3310	118	22											140	179
SUBTOTAL ABOVE		**985**	**1424**											**2409**	**2700**
WASTE, ADVANCED&NOT ADVANCED	309.6615 & .7510	0	0											0	◆
NONCELLULOSIC FIBERS															
YARN - SINGLES															
TEXTURED - NYLON															
LESS THAN 450	310.0107 & .0207	142	163											305	345
MORE THAN 450	310.0108 & .0208	2592	2933											5525	3026
- POLYESTER	310.0110 & .0210	1000	2243											3243	2124
- OTHER	310.0114 & .0214	1876	2010											3886	4247
OTHER - NYLON	310.0149 & .0249	2008	2121											4129	2734
- POLYESTER	310.0150 & .0250	1918	1327											3245	3229
- OTHER	310.0170 & .0270[b]	417	486											903	708
MONOFILAMENTS	309.0200 & .0330[c]	272	281											553	531
STRIPS, OVER $1/LB	309.2100 & .2500*	199	196											395	235
SUBTOTAL ABOVE		**10424**	**11760**											**22184**	**17179**
STAPLE - NYLON	309.4331 & .4351	5346	4106											9452	8047
- POLYESTER	309.4336 & .4361	5335	5030											10365	5783
- ACRYLIC	309.4366	1216	839											2055	2295
- OLEFIN	309.4371	2	153											155	845
- OTHER	309.4341 & .4390	479	1269											1748	4615
GROUPED FILAMENTS															
NYLON	309.3030 & .3200	3012	2523											5535	6885
POLYESTER	309.3040 & .3340	367	279											646	297
ACRYLIC	309.3050 & .3350	861	1144											2005	1642
OTHER	309.3065 & .3365	139	138											277	544
SUBTOTAL ABOVE		**16757**	**15481**											**32238**	**30953**
WASTE, NOT ADVANCED															
- NYLON	309.6625	2279	2182											4461	3844
- POLYESTER	309.6630	1077	823											1900	963
- ACRYLIC	309.6645	20	53											73	0
- OTHER	309.6660	415	518											933	1705
NOILS & GARNETTED FIBERS	309.7000*	0	0											0	59
OTHER WASTE, ADVANCED	309.7525 - .7555	42	153											195	681
SUBTOTAL ABOVE		**3833**	**3729**											**7562**	**7252**
TOTAL MAN-MADE ABOVE		**33266**	**33229**											**66495**	**60761**
OTHER MAN-MADE FIBER TOPS, YARN & THREAD															
YARN - PLIED															
TEXTURED - CELLULOSIC	310.1506	0	0											0	30
- NONCELLULOSIC	310.1015[d] & .1205[e]	142	337											479	2614
OTHER - CELLULOSIC	310.1030 & .1535[f]	8	85											93	13
- NONCELLULOSIC	310.1050 & .1070[g]	336	339											675	92
SPUN YARN - CELLULOSIC	310.4005 & .4030[h]	151	112											263	332
- OTHER	310.4015 & .4027[i]	2574	3765											6339	5779
OTHER YARNS - NES, INCL. CHENILLE	310.6034 - .8000	1493	1673											3166	610
HANDWORK YARNS & SEWING THREAD	310.9000 & .9310[j]	831	662											1493	775
SLIVER, TOPS & ROVING	309.9000	383	279											662	521
TEXTILE GLASS FIBER	309.2800 & .2900[k]	1431	1672											3103	5232
GRAND TOTAL ABOVE		40615	42153											**82768**	**76759**

SOURCE: U.S. Census Bureau Report IM145X.

NES Not elsewhere specified.

◆ Nominal quantity.

* These items are not reported by the Census as cellulosic vs. noncellulosic. Any seperation between cellulosic and noncellulosic is estimated, based mainly on average declared value.

a. Also includes 310.0610.

b. Also includes 310.0550, .0630 & .0650.

c. Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.

d. There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

e. Also includes 310.1210.

f. Also includes 310.2110.

g. Also includes 310.1510, .1514, .1550, 1555, .1570, .2050, .2130 & .2150.

h. Also includes 310.5005 & .5030.

i. Also includes 310.4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051.

j. Also includes 310.9320 & .9500.

k. Chiefly roving. Also includes 309.9800 & .9900.

TABLE 10:
SELECTED U.S. MONTHLY TEXTILE FIBER DATA

MILLION POUNDS

ITEM	1987 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE[a] 1987	1986
						TOTAL SHIPMENTS[b]								
MAN-MADE FIBER DATA[c]														
YARN+MONOFILAMENTS														
CELLULOSIC YARN	14.6	13.7	15.9										44.2	53.3
NYLON[d] - INDUSTRIAL[e]	31.0	32.8	30.6										94.4	84.6
- CARPET	75.1	77.6	79.9										232.6	211.8
- TEXTILE[g]	30.5	30.4	33.9										94.8	93.7
POLYESTER - INDUSTRIAL[e]	26.6	27.6	29.2										83.4	81.7
- TEXTILE[g]	63.3	64.0	72.3										199.6	224.9
OLEFIN[f]	92.3	87.6	90.8										270.7	243.7
TOTAL NONCELLULOSIC ABOVE	**318.8**	**320.0**	**336.7**										**975.5**	**940.4**
STAPLE+TOW+FIBERFILL														
RAYON	34.1	29.7	36.1										99.9	97.9
NYLON[d]	84.1	81.2	86.2										251.5	199.1
ACRYLIC+MODACRYLIC	49.2	50.7	54.2										154.1	150.2
POLYESTER	184.0	191.7	203.8										579.5	524.8
OLEFIN+VINYON[h]	28.2	27.9	30.8										86.9	78.1
TOTAL NONCELLULOSIC ABOVE	**345.5**	**351.5**	**375.0**										**1072.0**	**952.2**
						END-OF-MONTH STOCK								
YARN+MONOFILAMENTS														
CELLULOSIC YARN	17.9	18.2	16.8										16.8	13.3
NYLON[d] - INDUSTRIAL[e]	29.2	24.9	26.7										26.7	24.1
- CARPET	56.6	55.5	52.3										52.3	56.2
- TEXTILE[g]	49.6	49.4	46.5										46.5	46.2
POLYESTER - INDUSTRIAL[e]	30.6	30.0	27.8										27.8	26.9
- TEXTILE[g]	85.6	88.8	87.6										87.6	96.6
OLEFIN[f]	54.7	55.6	55.6										55.6	67.1
TOTAL NONCELLULOSIC ABOVE	**306.3**	**304.2**	**296.5**										**296.5**	**317.1**
STAPLE+TOW+FIBERFILL														
RAYON	24.3	26.1	23.8										23.8	19.7
NYLON[d]	59.3	53.8	58.7										58.7	84.1
ACRYLIC+MODACRYLIC	68.2	67.9	67.8										67.8	63.2
POLYESTER	178.0	169.8	162.3										162.3	151.0
OLEFIN+VINYON[h]	33.3	32.6	30.9										30.9	34.0
TOTAL NONCELLULOSIC ABOVE	**338.8**	**324.1**	**319.7**										**319.7**	**332.3**
WOOL & COTTON CONSUMPTION														
APPAREL CLASS WOOL	13.0												13.0	12.6
CARPET CLASS WOOL	0.7												0.7	1.0
TOTAL RAW WOOL	13.7												13.7	13.6
RAW COTTON	302.3	284.6												586.9	532.8

a. "Year-to-date" totals for stock, are the latest month's figures.

b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

c. Producers' total domestic plus export shipments.

d. Data for nylon exclude Aramid.

e. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

f. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.

g. Low denier industrial nylon and polyester included with Textile.

h. 1987 data excludes Vinyon.

6/19/87 C8850-1

TEXTILE ORGANON

Volume 58, No. 5 ☐ May 1987

A publication of the *Textile Economics Bureau, Inc.*

MONTHLY REVIEW

Highlights

***Textile Organon** Features:*

1986 Per Capita Consumption Review . . . page 87.

May Capacity Survey Analysis . . . page 92.

Trade Barometer . . . page 96.

In April, shipments of noncellulosic yarn+monofilaments totaled 330.8 million pounds, 1.7% below the 336.5 million pounds shipped in March.

- ***Nylon industrial yarn*** shipments fell 3.6% to 29.5 million pounds.
- ***Nylon carpet yarn*** shipments fell 3.8% to 76.9 million pounds.
- ***Polyester industrial yarn*** shipments decreased by 5.8% to 27.7 million pounds.
- ***Olefin yarn*** shipments fell by 2.1% to 88.9 million pounds.

In April, noncellulosic staple+tow shipments totaled 365.6 million pounds, 2.5% below the 375.0 million pounds shipped in March.

- ***Polyester staple+tow*** shipments decreased by 4.5% to 194.6 million pounds.
- ***Acrylic staple*** shipments fell by 5.5% to 51.2 million pounds.
- ***Nylon staple*** shipments rose by 2.9% to 88.7 million pounds.

Rayon staple shipments fell by 8.0% to 33.2 million pounds in April.

TABLE 1:
TOTAL MAN-MADE FIBER SHIPMENTS

MILLION POUNDS & *PERCENT CHANGE*

ITEM	1987			1986		YEAR TO DATE		
	APR	MAR	% [a]	APR	% [b]	1987	1986	% [c]
YARN+MONOFILAMENTS								
CELLULOSIC YARN	**16.5**	**15.9**	***+3.8***	**19.4**	***-14.9***	**60.7**	**72.7**	***-16.5***
NYLON[d] - INDUSTRIAL	29.5	30.6	*-3.6*	29.1	*+1.4*	123.9	113.7	*+9.0*
- CARPET	76.9	79.9	*-3.8*	75.7	*+1.6*	309.5	287.5	*+7.7*
- TEXTILE [e]	32.1	33.5	*-4.2*	32.1	- -	126.5	125.8	*+0.6*
POLYESTER - INDUSTRIAL	27.7	29.4	*-5.8*	26.7	*+3.7*	111.3	108.4	*+2.7*
- TEXTILE [e]	75.7	72.3	*+4.7*	68.3	*+10.8*	275.3	293.2	*-6.1*
OLEFIN	88.9	90.8	*-2.1*	83.9	*+6.0*	359.6	327.6	*+9.8*
TOTAL NONCELLULOSIC ABOVE	**330.8**	**336.5**	***-1.7***	**315.8**	***+4.7***	**1306.1**	**1256.2**	***+4.0***
STAPLE+TOW+FIBERFILL								
RAYON	**33.2**	**36.1**	***-8.0***	**32.7**	***+1.5***	**133.1**	**130.6**	***+1.9***
NYLON[d]	88.7	86.2	*+2.9*	67.1	*+32.2*	340.2	266.2	*+27.8*
ACRYLIC+MODACRYLIC	51.2	54.2	*-5.5*	55.7	*-8.1*	205.3	205.9	*-0.3*
POLYESTER	194.6	203.8	*-4.5*	180.8	*+7.6*	774.1	705.6	*+9.7*
OLEFIN+VINYON[f]	31.1	30.8	*+1.0*	28.2	*+10.3*	118.0	106.3	*+11.0*
TOTAL NONCELLULOSIC ABOVE	**365.6**	**375.0**	***-2.5***	**331.8**	***+10.2***	**1437.6**	**1284.0**	***+12.0***

[a] Percent change from previous month to current month.
[b] Percent change to current month from same month last year.
[c] Percent change from cumulative total last year to cumulative total this year.
[d] Nylon excludes Aramid.
[e] Low denier industrial nylon and polyester is included with Textile.
[f] 1987 data excludes Vinyon.

Textile Organon

A Monthly Review

MAY 1987

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1986 PER CAPITA CONSUMPTION REVIEW

Per capita consumption of all fibers grew to 64.7 pounds in 1986, 9.5% above the 59.1 pounds recorded in 1985.

In 1986, per capita consumption was at its highest level since 1973, when an average 65.7 pounds of fibers were consumed by each person in the United States (Table 3). Although U.S. fiber consumption, excluding glass, reached an all time high of 15,647 million pounds in 1986, per capita fiber consumption was one pound per person less in 1986 than it was in 1973. Obviously U.S. population growth between 1973 and 1986 has outstripped growth in fiber consumption.

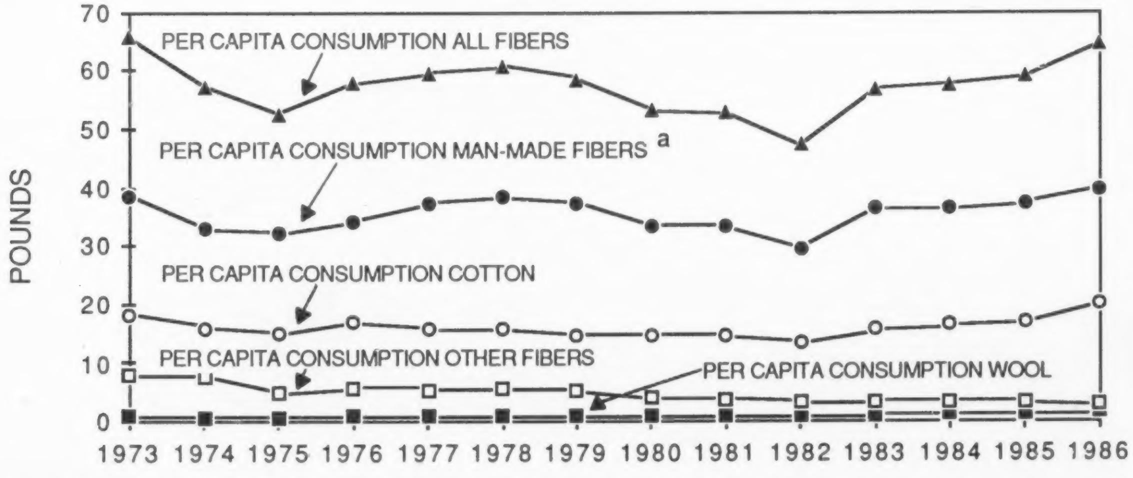
In 1986, per capita GNP grew 1.3% over 1985, while per capita man-made fiber consumption increased 6.4%, cotton per capita consumption rose 19.4%, wool increased 21.4%, while other fibers (silk, linen, jute and sisal & others) fell 12.1%.

TABLE & GRAPH SUMMARY

Tables and graphs contained in this feature are described as follows:

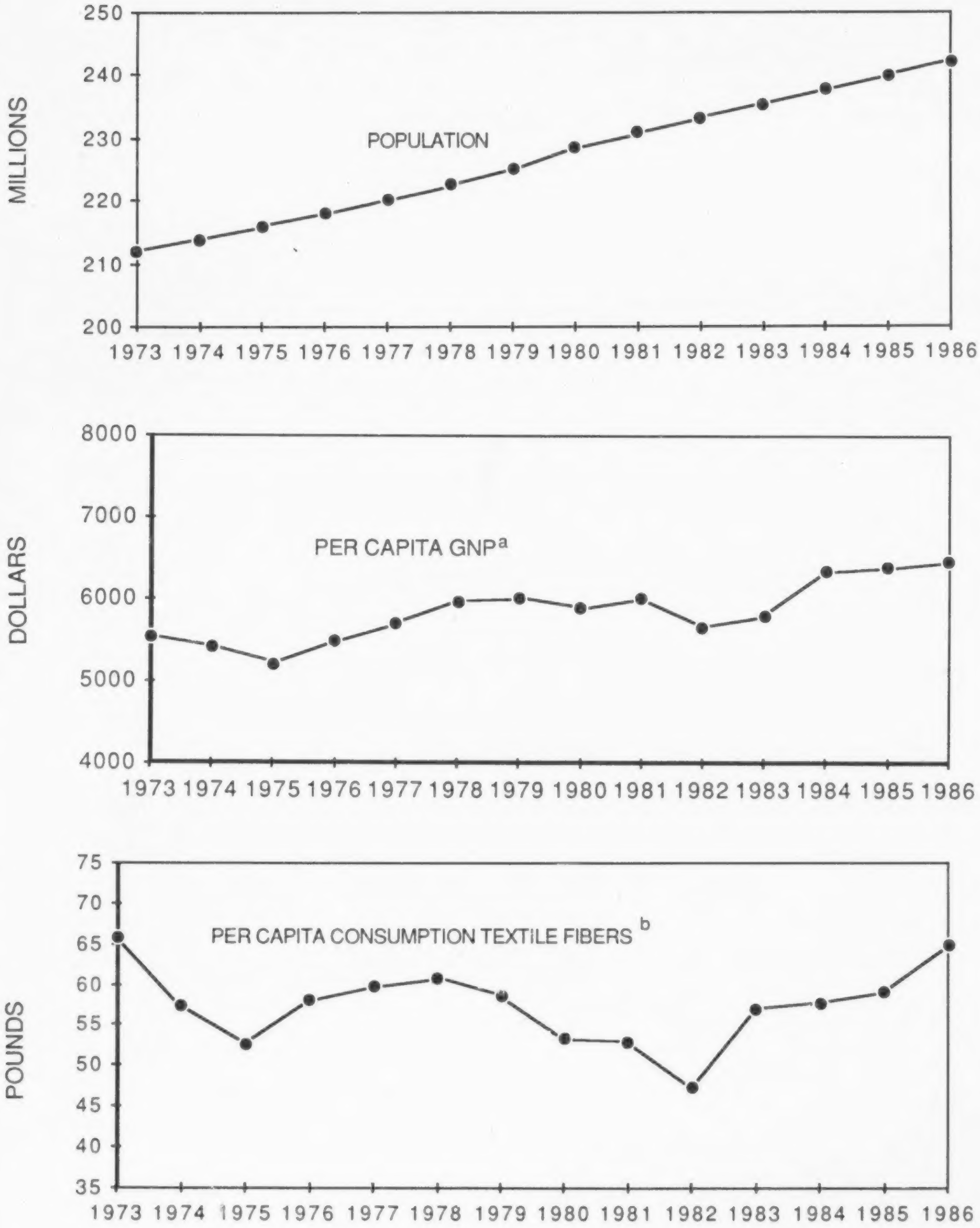
Table 2:	Per capita GNP derived by dividing GNP data by population.
Table 3:	Per capita consumption of all fibers.
Table 4:	Summary of domestic consumption data used to calculate the per capita consumption data found in Table 3.
Table 5:	Summary of mill consumption of all fibers, excluding glass fiber.
Table 6:	Percentage change and relative growth over time of population, per capita GNP and per capita consumption of the various fibers.
Table 7:	Summary of imports of semimanufactured and manufactured products.
Table 8:	Listing of imports in per capita terms and their percentage growth over time in relation to overall per capita domestic consumption.
Graph 1:	Per capita consumption of all fibers as taken from the data in Table 3.
Graph 2:	Growth in population and per capita GNP since 1973 in relation to the rising trend of per capita GNP data are taken from Table 2, while the per capita fiber consumption data are taken from Table 3.

GRAPH 1:
PER CAPITA CONSUMPTION



a. Data on Glass Fiber is no longer available to prevent company-level disclosure. This series, including Glass Fiber, was last published in the May 1985 issue.

GRAPH 2:
COMPARISON OF POPULATION, GNP & PER CAPITA CONSUMPTION OF ALL FIBERS



a. In billions of 1982 dollars.

b. Data on Glass Fiber is no longer available to prevent company-level disclosure. This series, including Glass Fiber, was last published in the May 1985 issue.

TABLE 2:
U.S. POPULATION, GROSS NATIONAL PRODUCT & PER CAPITA GROSS NATIONAL PRODUCT

YEAR	POPULATION [a]	GNP [b]	PER CAPITA GNP [c]
1973	211.9	1175.0	5545
1974	213.9	1159.2	5419
1975	216.0	1125.0	5208
1976	218.0	1194.7	5480
1977	220.2	1256.2	5705
1978	222.6	1329.1	5971
1979	225.1	1354.6	6018
1980	228.5	1344.2	5883
1981	230.9	1386.0	6003
1982	233.2	1319.1	5657
1983	235.4	1364.4	5796
1984	237.7	1506.4	6337
1985	240.0	1533.2	6388
1986	242.2	1567.1	6470

SOURCE: Current Population Reports, U.S. Dept of Commerce Bureau of the Census.
Survey of Current Business, U.S. Dept. of Commerce Bureau of Economic Analysis.

[a] In millions.
[b] In billions of 1982 dollars.
[c] In dollars.

TABLE 3:
U.S. PER CAPITA FIBER CONSUMPTION[a]
POUNDS

		PER CAPITA				
PERIOD[b]	POPULATION	MAN-MADE FIBER[c]	COTTON	WOOL	OTHER FIBERS	TOTAL
1975-1979	220.4	36.0	15.6	0.9	5.4	57.9
1980-1984	232.3	33.9	15.0	1.1	3.6	53.6
1973	211.9	38.5	18.3	1.0	7.9	65.7
1974	213.9	32.9	16.0	0.7	7.7	57.3
1975	216.0	32.2	14.9	0.7	4.8	52.6
1976	218.0	34.4	16.9	0.9	5.8	58.0
1977	220.2	37.5	15.8	0.9	5.5	59.7
1978	222.6	38.4	15.8	1.0	5.6	60.8
1979	225.1	37.5	14.8	0.9	5.3	58.5
1980	228.5	33.5	14.7	0.9	4.1	53.2
1981	230.9	33.4	14.5	1.0	3.9	52.8
1982	233.2	29.6	13.5	0.9	3.3	47.3
1983	235.4	36.5	15.8	1.2	3.4	56.9
1984	237.7	36.4	16.5	1.4	3.4	57.7
1985	240.0	37.4	17.0	1.4	3.3	59.1
1986	242.2	39.8	20.3	1.7	2.9	64.7

[a] Based on total U.S. domestic consumption (mill consumption plus imports less exports of semimanufactured and manufactured products).
[b] Five year averages for 1975-1984 and annual data for 1973-1986.
[c] Excludes Glass Fiber. Data on Glass Fiber is no longer available due to company disclosure. This series, including Glass Fiber, was last published in the May 1985 issue.

TABLE 4:
U.S. TOTAL FIBER CONSUMPTION
MILLION POUNDS

YEAR	MAN-MADE FIBER [a]	COTTON	WOOL	OTHER FIBERS	TOTAL
1973	8165.3	3881.6	212.6	1684.1	13943.6
1974	7047.8	3416.3	146.8	1648.1	12259.0
1975	6961.0	3216.3	161.4	1038.0	11376.7
1976	7502.2	3684.4	198.7	1269.1	12654.4
1977	8259.2	3469.7	208.3	1216.0	13153.2
1978	8541.9	3530.1	222.2	1254.5	13548.7
1979	8451.8	3334.5	201.0	1189.8	13177.1
1980	7654.8	3352.2	199.1	934.1	12140.2
1981	7722.9	3325.4	234.0	910.3	12192.6
1982	6912.9	3122.7	218.8	767.1	11021.5
1983	8603.2	3711.5	274.7	808.0	13397.4
1984	8643.5	3928.4	337.5	797.2	13706.6
1985	8972.2	4164.1	364.3	789.7	14290.3
1986	9632.1	4907.5	406.0	701.4	15647.0

[a] Excludes Glass Fiber. Data on Glass Fiber is no longer available due to company disclosure. This series, including Glass Fiber, was last published in the May 1985 issue.

TABLE 5:
MILL CONSUMPTION BY FIBER
BILLION POUNDS

YEAR	RAYON	ACETATE[a]	NYLON[b]	POLYESTER	ACRYLIC[c]	OLEFIN	COTTON	WOOL	OTHER FIBERS	TOTAL
1973	1.0	0.4	2.3	3.1	0.7	0.5	3.6	0.2	0.2	12.0
1974	0.8	0.3	2.0	2.9	0.6	0.5	3.3	0.1	0.2	10.7
1975	0.5	0.3	2.0	3.1	0.5	0.5	3.1	0.1	0.1	10.2
1976	0.6	0.3	2.1	3.3	0.6	0.5	3.4	0.1	0.2	11.1
1977	0.6	0.3	2.3	3.6	0.7	0.6	3.2	0.1	0.1	11.5
1978	0.6	0.3	2.5	3.7	0.6	0.7	3.0	0.1	0.2	11.7
1979	0.5	0.3	2.7	3.8	0.6	0.7	3.1	0.1	0.2	12.0
1980	0.5	0.3	2.3	3.5	0.6	0.7	3.1	0.1	0.1	11.2
1981	0.5	0.2	2.2	3.5	0.5	0.8	2.7	0.2	0.1	10.7
1982	0.3	0.2	1.9	2.9	0.5	0.8	2.5	0.1	0.1	9.3
1983	0.4	0.2	2.4	3.4	0.5	1.0	2.8	0.2	0.1	11.0
1984	0.4	0.2	2.4	3.2	0.5	1.0	2.7	0.2	0.1	10.7
1985	0.5[d]		2.4	3.1	0.5	1.5	2.8	0.1	0.1	11.0
1986	0.6[d]		2.5	3.2	0.6	1.5	3.3	0.2	0.1	12.0

NOTE: Data on Glass Fiber is no longer available due to company disclosure. This series, including Glass Fiber, was last published in the May 1985 issue.

a. Includes triacetate. Cigarette tow is excluded.

b. Includes Aramid for all years except 1983-1986.

c. Includes modacrylic.

d. Rayon and acetate combined.

TABLE 6:
PERCENT ANALYSIS OF POPULATION, PER CAPITA GNP AND PER CAPITA CONSUMPTION OF MAN-MADE FIBER, COTTON, WOOL & OTHER FIBERS
1973 - 1986

							PER CAPITA CONSUMPTION														
YEAR	POPU-LATION	%[a]	%[b]	PER CAPITA GNP	%[a]	%[b]	MAN-MADE FIBER[c]	%[a]	%[b]	COTTON	%[a]	%[b]	WOOL	%[a]	%[b]	OTHER FIBERS	%[a]	%[b]	ALL FIBERS	%[a]	%[b]
1973	211.9			5545			38.5			18.3			1.0			7.9			65.7		
1974	213.9	+0.9	+0.9	5419	-2.3	-2.3	32.9	-14.5	-14.5	16.0	-12.6	-12.6	0.7	-30.0	-30.0	7.7	-2.5	-2.5	57.3	-12.8	-12.8
1975	216.0	+1.0	+1.9	5208	-3.9	-6.1	32.2	-2.1	-16.4	14.9	-6.9	-18.6	0.7	- -	-30.0	4.8	-37.7	-39.2	52.6	-8.2	-19.9
1976	218.0	+0.9	+2.9	5480	+5.2	-1.2	34.4	+6.8	+10.6	16.9	+13.4	-7.7	0.9	+28.6	-10.0	5.8	+20.8	-26.6	58.0	+10.3	-11.7
1977	220.2	+1.0	+3.9	5705	+4.1	+2.9	37.5	+9.0	-2.6	15.8	-6.5	-13.7	0.9	- -	-10.0	5.5	-5.2	-30.4	59.7	+2.9	-9.1
1978	222.6	+1.1	+5.0	5971	+4.7	+7.7	38.4	+2.4	-0.3	15.8	- -	-13.7	1.0	+11.1	- -	5.6	+1.8	-29.1	60.8	+1.8	-7.5
1979	225.1	+1.1	+6.2	6018	+0.8	+8.5	37.5	-2.3	-2.6	14.8	-6.3	-19.1	0.9	-10.0	-10.0	5.3	-5.4	-32.9	58.5	-3.8	-11.0
1980	228.5	+1.5	+7.8	5883	-2.2	+6.1	33.5	-10.7	-13.0	14.7	-0.7	-19.7	0.9	- -	-10.0	4.1	-22.6	-48.1	53.2	-9.1	-19.0
1981	230.9	+1.1	+9.0	6003	+2.0	+8.3	33.4	-0.3	-13.2	14.5	-1.4	-20.8	1.0	+11.1	- -	3.9	-4.9	-50.6	52.8	-0.8	-19.6
1982	233.2	+1.0	+10.1	5657	-5.8	+2.0	29.6	-11.4	-23.1	13.5	-6.9	-26.2	0.9	-10.0	-10.0	3.3	-15.4	-58.2	47.3	-10.4	-28.0
1983	235.4	+0.9	+11.1	5796	+2.5	+4.5	36.5	+23.3	-5.2	15.8	+17.0	-13.7	1.2	+33.3	+20.0	3.4	+3.0	-57.0	56.9	+20.3	-13.4
1984	237.7	+1.0	+12.2	6337	+9.3	+14.3	36.4	-0.3	-5.5	16.5	+4.4	-9.8	1.4	+16.7	+40.0	3.4	- -	-57.0	57.7	+1.4	-12.2
1985	240.0	+1.0	+13.3	6388	+0.8	+15.2	37.4	+2.7	-2.9	17.0	+3.0	-7.1	1.4	- -	+40.0	3.3	-2.9	-58.2	59.1	+2.4	-10.0
1986	242.2	+0.9	+14.3	6470	+1.3	+16.7	39.8	+6.4	+3.4	20.3	+19.4	+10.9	1.7	+21.4	+70.0	2.9	-12.1	-63.3	64.7	+9.5	-1.5

Population is in millions of people.
Per Capita GNP is in dollars.
All other Per Capita Consumption data are in pounds.
All data are taken from the tables on page 89.

a. Percent change year to year.

b. Percent change since 1973.

c. Excludes Glass Fiber. Data on Glass Fiber is no longer available due to company disclosure. This series, including Glass Fiber, was last published in the May 1985 issue.

TABLE 7:
RAW FIBER EQULIVALENT OF IMPORTS OF MAN-MADE FIBER, COTTON & WOOL MANUFACTURES

MILLION POUNDS

	MAN-MADE FIBER						COTTON						WOOL					
	1981	1982	1983	1984	1985	1986	1981	1982	1983	1984	1985	1986	1981	1982	1983	1984	1985	1986
IMPORTS																		
SEMIMANUFACTURED PRODUCTS																		
YARN, THREAD, ETC	34.9	38.2	58.0	71.0	74.7	94.6	24.1	28.5	42.1	54.6	56.3	104.7	5.0	7.7	7.6	16.3	14.1	13.5
CLOTH	106.2	105.7	138.0	170.4	129.1	242.2	350.3	266.5	346.3	450.8	421.2	522.4	27.8	25.6	28.1	39.0	36.4	24.8
SUBTOTAL	**141.1**	**143.9**	**196.0**	**241.4**	**203.8**	**336.8**	**374.4**	**295.0**	**388.4**	**505.4**	**477.5**	**627.1**	**32.8**	**33.3**	**35.7**	**55.3**	**50.5**	**38.3**
MANUFACTURED PRODUCTS																		
WEARING APPAREL	437.1	486.5	576.0	688.9	798.1	921.7	504.0	510.5	622.8	759.5	895.5	1001.8	40.9	46.4	58.8	80.8	137.0	154.1
INDUSTRIAL	0.3	1.1	1.3	0.4	0.9	2.8	8.8	10.0	14.3	37.6	32.4	45.5	NOMINAL QUANTITIES INCLUDED IN OTHER					
HOME FURNISHINGS	} 60.6	66.5	296.1	411.3	394.2	423.0	59.5	67.0	78.0	138.9	169.7	180.9	18.5	19.6	34.8	52.1	60.8	61.3
ALL OTHER							15.2	14.7	31.9	23.4	38.6	26.0	0.9	0.8	2.6	1.2	0.6	1.6
SUBTOTAL	**498.0**	**554.1**	**873.4**	**1100.6**	**1193.2**	**1347.5**	**587.5**	**602.2**	**747.0**	**959.4**	**1136.2**	**1254.2**	**60.3**	**66.8**	**96.2**	**134.1**	**198.4**	**217.0**
TOTAL IMPORTS	**639.1**	**698.0**	**1069.4**	**1342.0**	**1397.0**	**1684.3**	**961.9**	**897.2**	**1135.4**	**1464.8**	**1613.7**	**1881.3**	**93.1**	**100.1**	**131.9**	**189.4**	**248.9**	**255.3**

All of this data has been taken from the March 1987 *Textile Organon* issue, page 54.

TABLE 8:
PER CAPITA CONSUMPTION OF IMPORTS OF MAN-MADE FIBER, COTTON & WOOL MANUFACTURES AS COMPARED TO PER CAPITA CONSUMPTION OF MAN-MADE FIBER, COTTON & WOOL

POUNDS & *PERCENT*

	IMPORTS															DOMESTIC FIBER CONSUMPTION					
	MAN-MADE FIBER					COTTON					WOOL										
YEAR	TOTAL	*%*[a]	APPAREL	*%*[a]	*%*[b]	TOTAL	*%*[a]	APPAREL	*%*[a]	*%*[b]	TOTAL	*%*[a]	APPAREL	*%*[a]	*%*[b]	MAN-MADE FIBER [c]	*%*[a]	COTTON	*%*[a]	WOOL	*%*[a]
1979	2.3		1.6		*+69.6*	3.3		1.9		*+57.6*	0.4		0.2		*+50.0*	37.5		14.8		0.9	
1980	2.4	*+4.3*	1.7	*+6.2*	*+70.8*	3.5	*+6.1*	2.0	*+5.3*	*+57.1*	0.4	--	0.2	–	*+50.0*	33.5	*-10.7*	14.7	*-0.7*	0.9	--
1981	2.8	*+16.7*	1.9	*+11.8*	*+67.9*	4.2	*+20.0*	2.2	*+10.0*	*+52.4*	0.4	--	0.2	–	*+50.0*	33.4	*-0.3*	14.5	*-1.4*	1.0	*+11.1*
1982	3.0	*+ 7.1*	2.1	*+10.5*	*+70.0*	3.8	*-9.5*	2.2	--	*+57.9*	0.4	--	0.2	–	*+50.0*	29.6	*-11.4*	13.5	*-6.9*	0.9	*-10.0*
1983	4.5	*+50.0*	2.4	*+14.3*	*+53.3*	4.8	*+26.3*	2.6	*+18.2*	*+54.2*	0.6	*+50.0*	0.2	–	*+33.3*	36.5	*+23.3*	15.8	*+17.0*	1.2	*+33.3*
1984	5.6	*+24.4*	2.9	*+20.8*	*+51.8*	6.2	*+29.2*	3.2	*+23.1*	*+51.6*	0.8	*+33.3*	0.3	*+50.0*	*+37.5*	36.4	*-0.3*	16.5	*+4.4*	1.4	*+16.7*
1985	5.8	*+3.6*	3.3	*+13.8*	*+56.9*	6.7	*+8.1*	3.7	*+15.6*	*+55.2*	1.0	*+25.0*	0.6	*+100.0*	*+60.0*	37.4	*+2.7*	17.0	*+3.0*	1.4	--
1986	7.0	*+20.7*	3.8	*+15.2*	*+54.3*	7.8	*+16.4*	4.1	*+10.8*	*+52.6*	1.1	*+10.0*	0.6	–	*+54.5*	39.8	*+6.4*	20.3	*+19.4*	1.7	*+21.4*

a. Percent change from previous year.

b. Percent of apparel as compared to total imports of semimanufactured and manufactured products.

c. Excludes Glass Fiber. Data on Glass Fiber is no longer available due to company disclosure. This series, including Glass Fiber, was last published in the May 1985 issue.

MAY 1987 CAPACITY SURVEY ANALYSIS

U.S. Man-Made Fiber Capacity Utilization at 88.9%

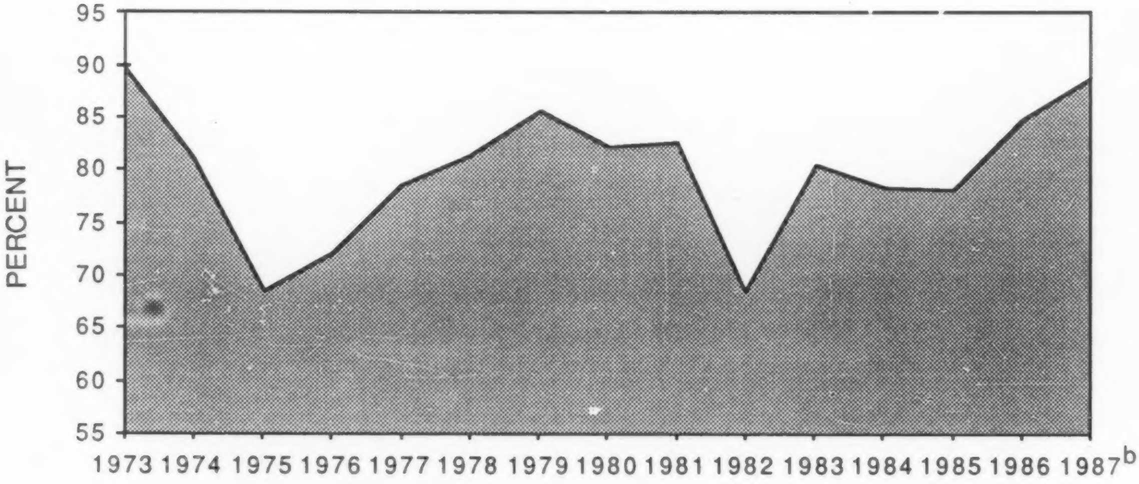
Based on yearly January - April production data and May 1987 Capacity Survey results, the capacity utilization rate for the U.S. man-made fiber industry stood at 88.9%, as compared to 84.9% in 1986 (Graph 3).

Total industry capacity (excluding textile glass) fell to 9,870 million pounds, 0.8% below the 9,946 million pounds recorded in the November 1986 Survey.

Since November 1986, the noncellulosic filament yarn capacity fell from 4,575 million pounds to 4,521 million pounds, with a major reduction in polyester textile yarn.

In 1987, capacity for noncellulosic staple+tow declined 0.5% to 4,640 million pounds, the lowest level since November 1978, when capacity stood at 4,571 million pounds (Table 10). A major reduction was shown in polyester staple+tow where the capacity dropped from 2,491 million pounds in November 1986 to 2,451 million pounds in May 1987.

GRAPH 3:
INDUSTRY CAPACITY UTILIZATION [a]



a. Cellulosic and noncellulosic fiber excludes textile glass.
b. Based on May 1987 capacity survey and annualized January - April production data.

TABLE 9:
U.S. MAN-MADE FIBER PRODUCTION & PRODUCING CAPACITY
MILLION POUNDS

	CELLULOSIC FIBERS							NONCELLULOSIC FIBERS[a]			GRAND TOTAL MAN-MADE FIBERS EXCLUDING TEXTILE GLASS			NON-ADD TEXTILE GLASS TOTAL[d]
	FILAMENT YARN+MONOFIL			STAPLE+TOW										
PERIOD	RAYON	ACETATE[b]	TOTAL	RAYON	ACETATE[b]	TOTAL	TOTAL	YARN +MONO	STAPLE +TOW	TOTAL	YARN +MONO[c]	STAPLE +TOW	TOTAL	
ACTUAL ANNUAL PRODUCTION														
1973	198	437	635	697	25	722	1357	3339	2970	6309	3974	3692	7666	688
1974	172	362	534	645	20	665	1199	3443	2780	6223	3977	3445	7422	683
1975	65	301	366	371	12	383	749	3209	2677	5886	3575	3060	6635	546
1976	68	287	355	475	11	486	841	3306	3320	6626	3661	3806	7467	676
1977	71	282	353	527	8	535	888	3674	3654	7328	4027	4189	8216	787
1978	62	301	363	535	7	542	905	3830	3953	7783	4193	4495	8688	923
1979	57	317	374	549	7	556	930	4155	4282	8437	4529	4838	9367	1014
1980	47	309	356	443	7	450	806	3744	4148	7892	4100	4598	8698	867
1981	48	257	305	461	4	465	770	3815	4191	8006	4120	4656	8776	1041
1982	33	195	228	355	1	356	584	3057	3403	6460	3285	3759	7044	899
1983	36	228	264	375	1	376	640	3568	3970	7538	3832	4346	8178	1169
1984	41	198	239	389	+	389	628	3525	3947	7472	3764	4336	8100	1394
1985			205 g			353 g	558	3790	3773	7563	3995	4126	8121	NA
1986			215 g			404 g	619	3836	3992	7828	4051	4396	8447	NA
ACTUAL & PROJECTED CAPACITY, ANNUAL RATE, AS OF-														
NOV 1973 e	224	473	697	768	28	796	1493	3738	3302	7040	4435	4098	8533	739
NOV 1974 e	172	449	621	724	28	752	1373	4175	3584	7759	4796	4336	9132	821
NOV 1975 e	100	384	484	737	18	755	1239	4640	3796	8436	5124	4551	9675	909
NOV 1976 e	85	399	484	691	18	709	1193	4878	4254	9132	5362	4963	10325	893
NOV 1977 e	85	315	400	655	8	663	1063	4974	4394	9368	5374	5057	10431	1002
NOV 1978 e	83	330	413	665	8	673	1086	5000	4571	9571	5413	5244	10657	1118
NOV 1979 e	75	355	430	671	8	679	1109	5126	4678	9804	5556	5357	10913	1305
NOV 1980 e	63	324	387	514	8	522	909	4933	4714	9647	5320	5236	10556	1473
NOV 1981 e	52	332	384	509	5	514	898	4766	4950	9716	5150	5464	10614	1561
NOV 1982 e	63	318	381	510	4	514	895	4583	4781	9364	4964	5295	10259	1718
NOV 1983 e	63	268	331	510	4	514	845	4477	4827	9304	4808	5341	10149	1618
NOV 1984 e	63	268	331	510	4	514	845	4509	4981	9490	4840	5495	10335	1743
NOV 1985 e			269 g	510	5	515	784	4698	4890	9588	4967	5405	10372	1769
NOV 1986 e			244 g			465 g	709	4575	4662	9237	4819	5127	9946	1763
MAY 1987 e			244 g			465 g	709	4521	4640	9161	4765	5105	9870	1747
NOV 1987 f			244 g			465 g	709	4622	4730	9352	4866	5195	10061	1779
MAY 1988 f			244 g			465 g	709	4665	4701	9366	4909	5166	10075	1798
NOV 1988 f			244 g			465 g	709	4715	4715	9430	4959	5180	10139	1813
MAY 1989 f			244 g			465 g	709	4762	4720	9482	5006	5185	10191	1813

NA No longer available.

a. Included are those listed in the November *Organon* issue, with the exception of Aramid fiber as of November 1983. Yarn+mono includes olefin film fiber and spunbonded polypropylene. Staple+tow includes fiberfill.

b. Data include diacetate and triacetate. The acetate staple+tow data do not include the large quantities for cigarette filtration.

c. Grand Total Yarn includes the yarn+mono shown, excluding textile glass fiber.

d. Textile Glass fiber, all types.

e. Actual producing capacity as of the date shown.

f. Future producing capacity planned for certain dates as of NOV 1987.

g. Detail withheld to prevent disclosure of company data.

SURVEY COVERAGE & DEFINITIONS

The survey figures shown in Table 10 on page 94 cover the man-made fibers in all their primary forms; i.e., filament yarn, monofilaments, polypropylene spunbonded and film fiber are tabulated as filament yarn, while staple, tow and fiberfill are tabulated as staple. The glass fiber data cover all primary forms of that fiber (yarn and strand, staple yarn and sliver, roving and cake, chopped and milled fiber and mat) although only an aggregate figure is published to avoid disclosure of individual company data. **Glass fiber data are no longer included with the filament yarn totals. The data was last published in the December 1984 issue.** The "capacity" to produce waste is ***not*** included in this survey.

Capacity is based on the current and projected "mix" of deniers, filament counts, packages, etc. It is ***emphasized*** that all figures refer to ***current*** and ***planned*** capacity. ***They are not to be interpreted as a production forecast.***

Under the survey definitions, all productive equipment which is currently, or is planned to be, in operable condition is counted as capacity, regardless of whether it is actually producing fiber at the time the capacity measurement is taken. Equipment which is scheduled for scrapping, or which has been scrapped since the last survey, is excluded from the capacity tabulation. The capacity data reflect ***potential,*** rather than ***operating*** capacity.

TABLE 10:
NONCELLULOSIC FIBER CAPACITY DETAIL
MILLION POUNDS & Average Denier

	FILAMENT YARN, MONOFIL & OLEFIN FILM FIBER												STAPLE, TOW & FIBERFILL					NON-CELLULOSIC TOTAL
	NYLON+ARAMID				POLYESTER			OLEFIN[a]					NYLON + ARAMID	ACRYL +MOD-ACRYL	POLY-ESTER	OLEFIN + VINYON f	TOTAL	
PERIOD	IND	CARP	TEXTILE		IND	TEXTILE		YARN	MONO b	FILM b	OTHER c	TOTAL						
			LBS	DEN		LBS	DEN											
NOV 1973 d	466	707	534	*NA*	385	1118	*NA*	106	214	190	18	3738	701	787	1709	105	3302	7040
NOV 1974 d	483	770	552	*NA*	403	1351	*NA*	125	254	221	16	4175	757	824	1899	104	3584	7759
NOV 1975 d	503	786	553	*NA*	391	1576	*NA*	168	313	334	16	4640	827	827	2021	121	3796	8436
NOV 1976 d	519	787	552	*54*	442	1701	*133*	178	312	371	16	4878	910	869	2355	120	4254	9132
NOV 1977 d	523	829	558	*55*	443	1698	*126*	173	336	398	16	4974	939	869	2470	116	4394	9368
NOV 1978 d	510	908	565	*53*	443	1643	*116*	174	347	394	16	5000	1023	865	2554	129	4571	9571
NOV 1979 d	513	950	579	*51*	443	1699	*114*	172	342	408	20	5126	1020	839	2673	146	4678	9804
NOV 1980 d	515	910	551	*52*	400	1637	*113*	120	350	430	20	4933	991	830	2759	134	4714	9647
NOV 1981 d	514	893	553	*49*	316	1481	*114*	178	356	455	20	4766	1010	835	2839	266	4950	9716
NOV 1982 d	474	925	513	*53*	338	1265	*119*	209	369	460	30	4583	978	832	2700	271	4781	9364
NOV 1983 d	440	907	494	*52*	337	1170	*122*	240	375	484	30	4477	1017	826	2704	280	4827	9304
NOV 1984 d	437	926	470	*57*	342	1162	*121*	270	386	486	30	4509	1054	807	2784	336	4981	9490
NOV 1985 d	437	965	466	*53*	374	1097	*126*	304	412	613	30	4698	1067	631	2785	407	4890	9588
NOV 1986 d	435	964	398	*51*	401	1021	*123*	286	407	633	30	4575	1077	637	2491	457	4662	9237
MAY 1987 d	432	1005	416	*50*	399	966	*121*	296	327[g]	650	30	4521	1102	647	2451	440	4640	9161
NOV 1987 e	430	1035	425	*50*	404	963	*122*	339	338	658	30	4622	1137	652	2477	464	4730	9352
MAY 1988 e	427	1038	425	*50*	404	937	*121*	369	350	685	30	4665	1142	657	2431	471	4701	9366
NOV 1988 e	424	1041	445	*50*	414	937	*121*	389	350	685	30	4715	1147	657	2431	480	4715	9430
MAY 1989 e	421	1049	455	*50*	419	937	*121*	416	350	685	30	4762	1152	657	2431	480	4720	9482

Note:	As of the November 1983 survey, nylon capacity data no longer include Aramid fiber.
NA	Not available.
IND	Industrial yarn and monofil, i.e., 500 denier & coarser, with an Instron tenacity of 7 grams per denier or more.
CARP	Bulked continuous filament yarn for carpets.
TEXTILE	Yarn & monofil for other (textile) applications. Low denier industrial yarn is tabluated here also.

a. Includes polyethylene & polypropylene. Not included here are data on spunbonded polyethylene, monofilament bristles, film fiber used for decorative or tying ribbons, etc.

b. Includes the circular and rectangular (ribbon) cross sections plus spunbonded polypropylene. Olefin film fiber includes slit and split or fibrillated fiber.

c. Other yarn & monofil is chiefly saran and spandex. Aramid data are included with nylon.

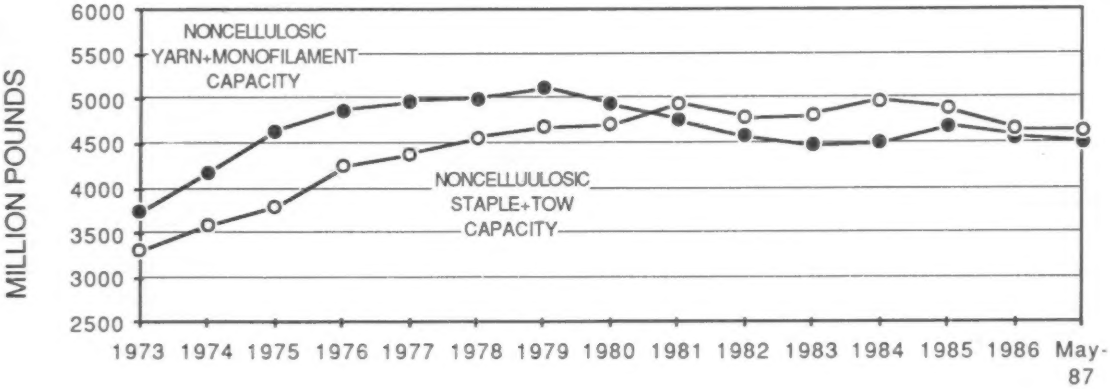
d. Actual producing capacity as of date shown.

e. Future producing capacity planned for certain dates as of NOV 1987.

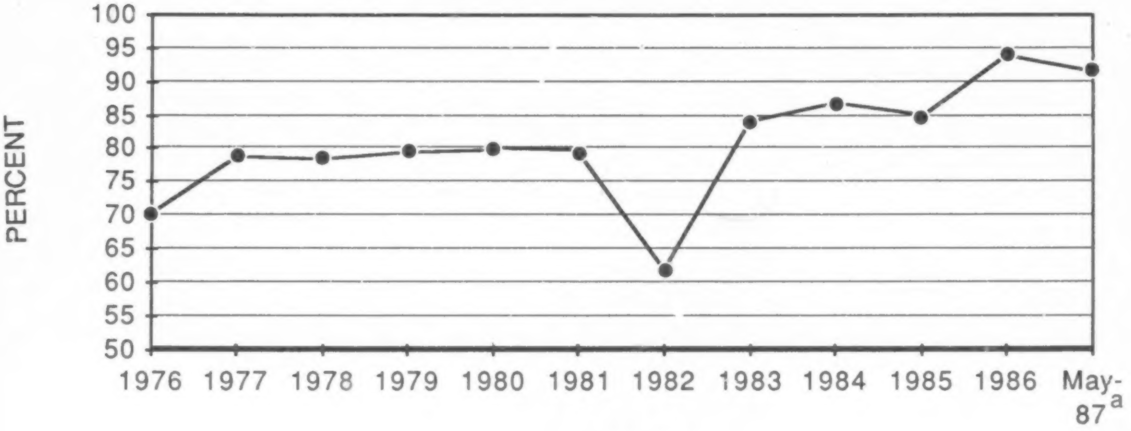
f. Data since November 1986 does not include Vinyon.

g. May 1987 drop in capacity for Olefin monofilament reflects incomplete capacity survey.

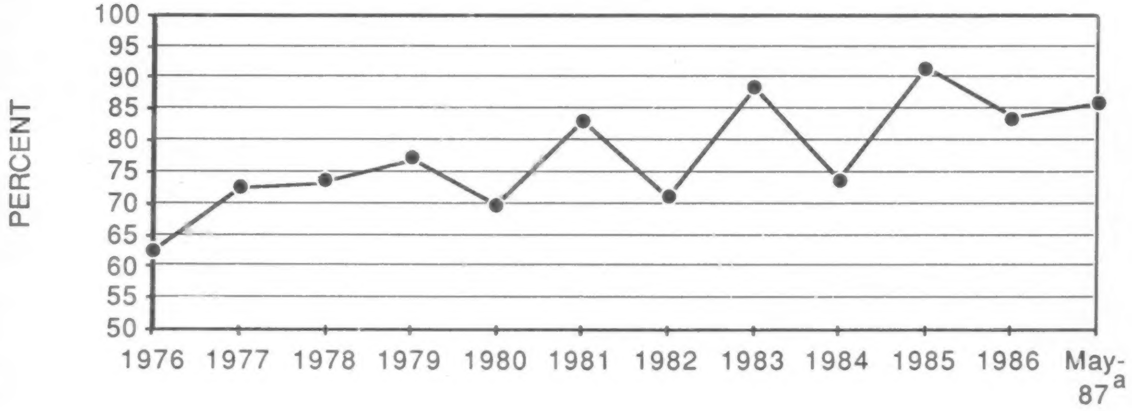
GRAPH 4:
NONCELLULOSIC YARN+MONOFILAMENT CAPACITY VS.
STAPLE+TOW CAPACITY



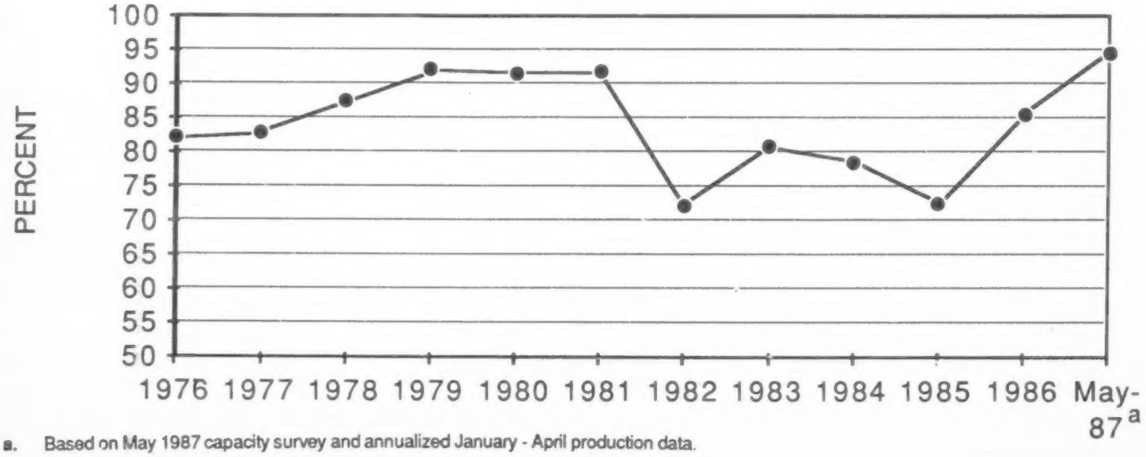
GRAPH 5:
NYLON CARPET YARN CAPACITY UTILIZATION



GRAPH 6:
POLYESTER TEXTILE YARN CAPACITY UTILIZATION



GRAPH 7:
POLYESTER STAPLE+TOW CAPACITY UTILIZATION



[a] Based on May 1987 capacity survey and annualized January - April production data.

TRADE BAROMETER

RECENT MAN-MADE FIBER TRADE BALANCE DECLINES: IMPORTS AND EXPORTS RISE

In March, the U.S. man-made fiber balance of trade fell to 29.2 million pounds, down 3.6% from 30.3 million pounds in February.

March man-made fiber exports totaled 66.1 million pounds, up 4% from the previous month's exports. Imports rose to 36.9 million pounds, up 11% from 33.2 million pounds in February.

Noncellulosic yarn+monofilament imports rose to 11.9 million pounds, up 1% from the February level of 11.8 million pounds. In March, Mexico and Fed. Rep. of Germany emerged as significant suppliers of these, accounting for 21% and 20% respectively.

For the first 3 months of 1987, imports for consumption of noncellulosic fibers increased significantly over the same period in 1986. Noncellulosic yarn+monofilament imports increased 31%, while staple+tow imports rose 7%.

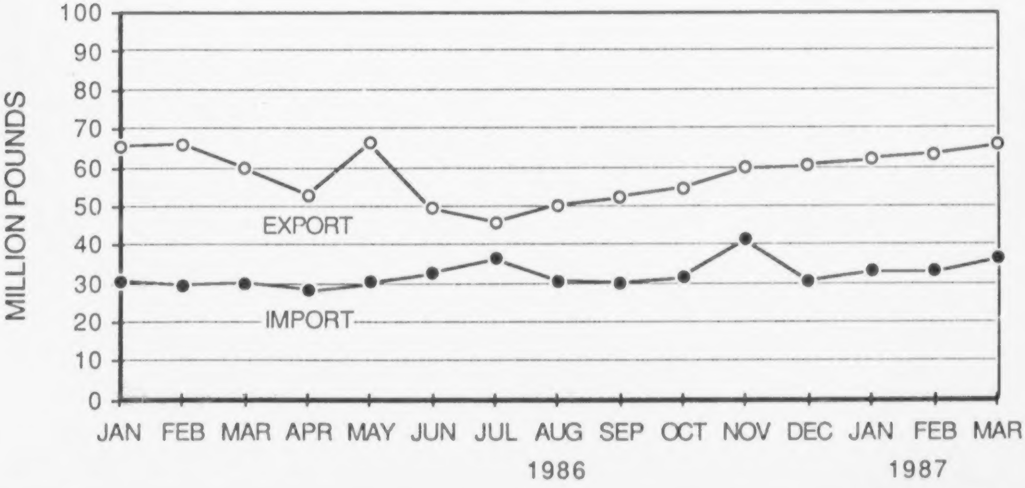
There were notable increases in U.S. imports of noncellulosic yarn+monofilament from the following countries:

- Mexico increased 153% to 5.7 million pounds.
- Canada increased 81% to 4.5 million pounds.
- Fed. Rep. of Germany increased 73% to 6.6 million pounds.

There were significant increases in U.S. imports of noncellulosic staple+tow from the following countries:

- Canada increased 60% to 9.4 million pounds.
- Italy increased 35% to 6.1 million pounds.
- Rep. of Korea increased 74% to 2.4 million pounds.
- Mexico increased 57% to 4.9 million pounds.

GRAPH 8:
IMPORTS VS. EXPORTS OF MAN-MADE FIBER



GRAPH 9:
MAN-MADE FIBER MONTHLY TRADE BALANCE

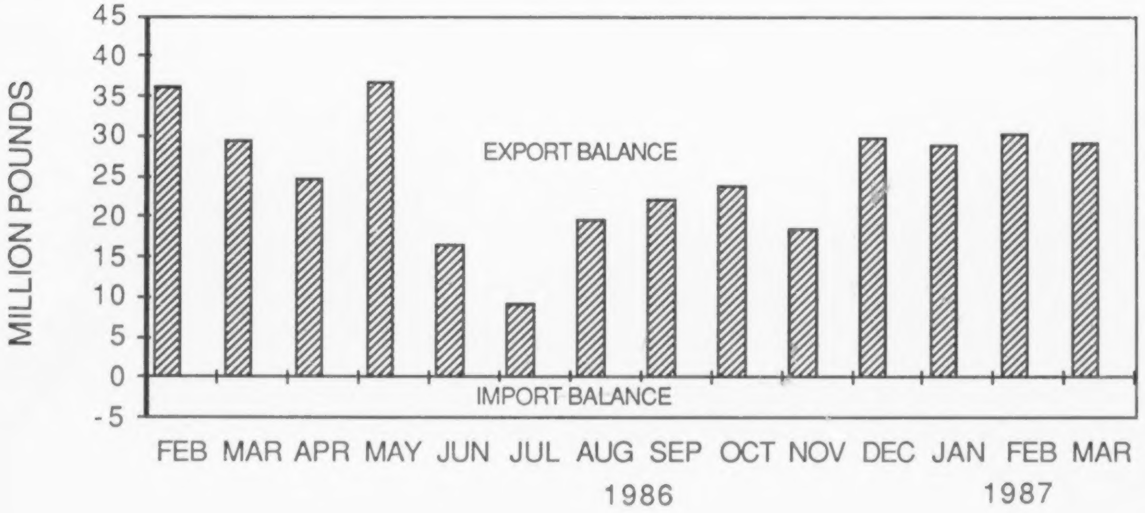


TABLE 11:
MAN-MADE FIBER MONTHLY TRADE BALANCE
MILLION POUNDS

	CELLULOSIC YARN & MONOFIL			CELLULOSIC STAPLE+TOW			NONCELLULOSIC YARN & MONOFIL			NONCELLULOSIC STAPLE+TOW			CELLULOSIC WASTE			NONCELLULOSIC WASTE			TOTAL		
1986	IMP	EXP	BAL	IMP	EXP	BAL	IMP	EXP	BAL	IMP	EXP	BAL	IMP	EXP	BAL	IMP	EXP	BAL	IMP	EXP	BAL
JANUARY	1.4	0.5	-0.9	1.6	2.4	+0.8	8.3	28.9	+20.6	16.0	25.2	+9.2	+	0.1	+0.1	3.4	8.5	+5.1	30.7	65.6	+34.9
FEBRUARY	1.3	0.5	-0.8	1.1	2.6	+1.5	8.4	24.1	+15.7	14.9	27.0	+12.1	0	0.2	+0.2	3.9	11.9	+8.0	29.6	66.3	+36.7
MARCH	1.4	0.7	-0.7	1.5	5.5	+4.0	8.8	23.3	+14.5	15.1	20.7	+5.6	+	0.2	+0.2	3.4	9.6	+6.2	30.2	60.0	+29.8
APRIL	1.6	0.7	-0.9	1.4	1.0	-0.4	7.3	20.9	+13.6	14.6	18.6	+4.0	+	0.3	+0.3	3.5	11.7	+8.2	28.4	53.2	+24.8
MAY	2.0	0.8	-1.2	1.2	2.6	+1.4	9.9	29.9	+20.0	14.1	22.7	+8.6	+	0.1	+0.1	3.3	10.3	+7.0	30.5	66.4	+35.9
JUNE	1.3	0.6	-0.7	1.3	1.7	+0.4	12.3	19.4	+7.1	14.2	18.2	+4.0	+	0.2	+0.2	3.7	9.4	+5.7	32.8	49.5	+16.7
JULY	1.2	0.6	-0.6	1.7	3.2	+1.5	13.0	19.5	+6.5	16.6	17.8	+1.2	0	0.1	+0.1	3.9	4.8	+0.9	36.4	46.0	+9.6
AUGUST	1.2	0.4	-0.8	1.5	3.0	+1.5	11.2	17.8	+6.6	14.7	18.2	+3.5	0	0.4	+0.4	2.3	10.7	+8.4	30.9	50.5	+19.6
SEPTEMBER	1.3	0.8	-0.5	1.7	1.6	-0.1	9.4	17.7	+8.3	14.6	21.1	+6.5	+	0.1	+0.1	3.3	11.1	+7.8	30.3	52.4	+22.1
OCTOBER	1.3	0.7	-0.6	1.7	3.3	+1.6	11.5	16.1	+4.6	14.8	23.6	+8.8	+	0.4	+0.4	2.5	10.7	+8.2	31.8	54.8	+23.0
NOVEMBER	1.7	0.5	-1.2	1.8	3.8	+2.0	14.3	17.8	+3.5	19.6	23.2	+3.6	0	0.2	+0.2	4.1	14.5	+10.4	41.5	60.0	+18.5
DECEMBER	1.2	0.5	-0.7	0.9	1.9	+1.0	11.4	20.2	+8.8	14.3	27.5	+13.2	0	+	+	3.0	10.5	+7.5	30.8	60.6	+29.8
TOTAL	**16.9**	**7.3**	**-9.6**	**17.4**	**32.6**	**+15.2**	**125.8**	**255.6**	**+129.8**	**183.5**	**263.8**	**+80.3**	**+**	**2.3**	**+2.3**	**40.3**	**123.7**	**+83.4**	**383.9**	**685.3**	**+301.4**
1987																					
JANUARY	1.3	0.5	-0.8	1.0	4.0	+3.0	10.4	17.6	+7.2	16.8	32.4	+15.6	0	0.2	+0.2	3.8	7.5	+3.7	33.3	62.2	+28.9
FEBRUARY	0.8	0.5	-0.3	1.4	1.8	+0.4	11.8	18.7	+6.9	15.5	32.1	+16.6	0	0.2	+0.2	3.7	10.2	+6.5	33.2	63.5	+30.3
MARCH	0.9	0.8	-0.1	1.7	3.3	+1.6	11.9	18.9	+7.0	16.9	30.1	+13.2	0	+	+	5.5	13.0	+7.5	36.9	66.1	+29.2

SOURCES: The fiber import and export data are from the U.S. Bureau of the Census (Reports IM145X and EM522).
+ Net export balance.
- Net import balance.

TABLE 12:
U.S. EXPORTS OF MAN-MADE FIBERS

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/87	1987												YEAR TO DATE	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1987	1986
CELLULOSIC FIBERS															
FILAMENT YARN[a]															
TEXTURED	310.0004	43	100	101										244	8
OTHER[b]	310.0026	475	365	639										1479	1694
MONOFILAMENTS	309.0110	0	0	0										0	43
STRIPS	309.2210	1	1	40										42	1
SUBTOTAL ABOVE		**519**	**466**	**780**										**1765**	**1746**
STAPLE+TOW-RAYON	309.4222	3930	1732	3107										8769	10075
STAPLE-ACETATE	309.4219	33	112	156										301	439
SUBTOTAL ABOVE		**3963**	**1844**	**3263**										**9070**	**10514**
WASTE, ADVANCED&NOT ADVANCED	309.7400	**231**	**169**	**47**										**447**	**458**
NONCELLULOSIC FIBERS															
YARN - SINGLES															
NYLON - TEXTURED	310.0005 & .0007	2678	2441	2542										7661	5533
- HIGH TENACITY[c]	310.0027	7294	6373	5419										19086	18399
- OTHER	310.0029	636	684	605										1925	3152
POLYESTER - TEXTURED	310.0010	2151	2949	3145										8245	25730
- HIGH TENACITY[c]	310.0032	1691	1913	2308										5912	4639
- OTHER[d]	310.0034	160	233	152										545	953
OTHER - TEXTURED	310.0014	1053	1386	1502										3941	10929
- OLEFIN	310.0040	74	35	53										162	1102
- OTHER	310.0044	389	577	654										1620	1291
MONOFILAMENTS, ALL DENIERS															
NYLON	309.0120	416	687	641										1744	975
POLYESTER	309.0140	322	523	524										1369	1506
OTHER	309.0170	478	492	875										1845	1270
STRIPS	309.2220 & .2270	259	424	470										1153	797
SUBTOTAL ABOVE		**17601**	**18717**	**18890**										**55208**	**76276**
STAPLE - NYLON	309.4240	2060	1757	2615										6432	3415
- POLYESTER	309.4242	18819	17019	16575										52413	23273
- ACRYLIC	309.4245	4792	3355	2531										10678	20764
- OLEFIN	309.4246	1893	2016	2642										6551	4440
- OTHER	309.4247	1004	3194	2027										6225	5148
GROUPED FILAMENTS															
NYLON	309.3220	283	737	386										1406	764
POLYESTER[d]	309.3240	1941	1832	1578										5351	6744
ACRYLIC	309.3250 & .3255	1653	2207	1805										5665	8300
SUBTOTAL ABOVE		**32445**	**32117**	**30159**										**94721**	**72848**
WASTE, ADVANCED&NOT ADVANCED															
- NYLON	309.7620	1021	1143	1095										3259	1513
- POLYESTER	309.7630	2830	4649	5303										12782	14460
- ACRYLIC	309.7640	1086	1362	1545										3993	2273
- OTHER	309.7660	2543	3090	5034										10667	11771
SUBTOTAL ABOVE		**7480**	**10244**	**12977**										**30701**	**30017**
TOTAL MAN-MADE ABOVE		**62239**	**63557**	**66116**										**191912**	**191859**
TEXTILE GLASS FIBER	309.2700 & .9700	5992	6585	7160										19737	13948
GRAND TOTAL ABOVE		**68231**	**70142**	**73276**										**211649**	**205807**

SOURCE: U.S. Census Bureau Report EM522.

a. Includes thrown, singles and plied yarn.

b. Includes an undetermined amount of rayon tire cord and cord fabric.

c. Includes an undetermined amount of noncellulosic tire cord and cord fabric.

d. Includes zero twist yarns.

TABLE 13:
U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/87	1987												YEAR TO DATE	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1987	1986
CELLULOSIC FIBERS															
YARN - SINGLES															
TEXTURED	310.0106 & .0206	29	139	0										168	87
OTHER	310.0130 & .0230[a]	1237	691	891										2819	3807
MONOFILAMENTS	309.0310 & .0610	0	5	0										5	11
STRIPS, $1/LB & UNDER	309.2000*	1	0	0										1	214
SUBTOTAL ABOVE		**1267**	**835**	**891**										**2993**	**4119**
STAPLE	309.4320 & .4325	867	1402	1569										3838	3917
GROUPED FILAMENTS	309.3010 & .3310	118	22	91										231	309
SUBTOTAL ABOVE		**985**	**1424**	**1660**										**4069**	**4226**
WASTE, ADVANCED&NOT ADVANCED	309.6615 & .7510	**0**	**0**	**0**										**0**	**◆**
NONCELLULOSIC FIBERS															
YARN - SINGLES															
TEXTURED - NYLON															
LESS THAN 450	310.0107 & .0207	142	163	113										418	548
MORE THAN 450	310.0108 & .0208	2592	2933	3169										8694	4118
- POLYESTER	310.0110 & .0210	1000	2243	1670										4913	3289
- OTHER	310.0114 & .0214	1876	2010	1396										5282	5523
OTHER - NYLON	310.0149 & .0249	2008	2121	2350										6479	4669
- POLYESTER	310.0150 & .0250	1918	1327	2088										5333	5619
- OTHER	310.0170 & .0270[b]	417	486	610										1513	1146
MONOFILAMENTS	309.0200 & .0330[c]	272	281	265										818	798
STRIPS, OVER $1/LB	309.2100 & .2500*	199	196	235										630	297
SUBTOTAL ABOVE		**10424**	**11760**	**11896**										**34080**	**26007**
STAPLE - NYLON	309.4331 & .4351	5346	4106	5357										14809	11882
- POLYESTER	309.4336 & .4361	5335	5030	5122										15487	9257
- ACRYLIC	309.4366	1216	839	1202										3257	3182
- OLEFIN	309.4371	2	153	42										197	994
- OTHER	309.4341 & .4390	479	1269	1233										2981	6228
GROUPED FILAMENTS															
NYLON	309.3030 & .3200	3012	2523	2383										7918	10049
POLYESTER	309.3040 & .3340	367	279	441										1087	501
ACRYLIC	309.3050 & .3350	861	1144	1073										3078	3258
OTHER	309.3065 & .3365	139	138	141										418	685
SUBTOTAL ABOVE		**16757**	**15481**	**16994**										**49232**	**46036**
WASTE, NOT ADVANCED															
- NYLON	309.6625	2279	2182	3100										7561	6159
- POLYESTER	309.6630	1077	823	1475										3375	1428
- ACRYLIC	309.6645	20	53	0										73	6
- OTHER	309.6660	415	518	810										1743	1961
NOILS & GARNETTED FIBERS	309.7000*	0	0	0										0	59
OTHER WASTE, ADVANCED	309.7525 - .7555	42	153	67										262	1053
SUBTOTAL ABOVE		**3833**	**3729**	**5452**										**13014**	**10666**
TOTAL MAN-MADE ABOVE		**33266**	**33229**	**36893**										**103388**	**91054**
OTHER MAN-MADE FIBER TOPS, YARN & THREAD															
YARN - PLIED															
TEXTURED - CELLULOSIC	310.1506	0	0	◆										0	30
- NONCELLULOSIC	310.1015[d] & .1205[e]	142	337	593										1072	3200
OTHER - CELLULOSIC	310.1030 & .1535[f]	8	85	7										100	13
- NONCELLULOSIC	310.1050 & .1070[g]	336	339	306										981	141
SPUN YARN - CELLULOSIC	310.4005 & .4030[h]	151	112	165										428	487
- OTHER	310.4015 & .4027[i]	2574	3765	3232										9571	9321
OTHER YARNS - NES, INCL. CHENILLE	310.6034 - .8000	1493	1673	1629										4795	1440
HANDWORK YARNS & SEWING THREAD	310.9000 & .9310[j]	631	662	217										1710	1253
SLIVER, TOPS & ROVING	309.9000	383	279	281										943	1014
TEXTILE GLASS FIBER	309.2800 & .2900[k]	1431	1672	1653										4756	7875
GRAND TOTAL ABOVE		**40615**	**42153**	**44976**										**127744**	**115828**

SOURCE: U.S. Census Bureau Report IM145X.

NES Not elsewhere specified.

◆ Nominal quantity.

* These items are not reported by the Census as cellulosic vs. noncellulosic. Any seperation between cellulosic and noncellulosic is estimated, based mainly on average declared value.

a. Also includes 310.0610.

b. Also includes 310.0550, .0630 & .0650.

c. Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.

d. There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

e. Also includes 310.1210.

f. Also includes 310.2110.

g. Also includes 310.1510, .1514, .1550, 1555, .1570, .2050, .2130 & .2150.

h. Also includes 310.5005 & .5030.

i. Also includes 310.4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051.

j. Also includes 310.9320 & .9500.

k. Chiefly roving. Also includes 309.9800 & .9900.

TABLE 14:
SELECTED U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION BY COUNTRY OF ORIGIN

THOUSAND POUNDS

ITEMS & COUNTRY	1987												YEAR TO DATE	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1987	1986
CELLULOSIC YARN, MONOFIL & STRIPS														
BRAZIL	86	29	0										115	138
CANADA	425	368	175										968	846
GERMANY, FED. REP. OF	442	229	561										1232	1549
JAPAN	209	10	39										258	186
KOREA, REP. OF	1	0	0										1	220
MEXICO	3	15	10										28	195
NETHERLANDS	101	43	105										249	543
ALL OTHER COUNTRIES[a]	0	141	1										142	442
TOTAL CELLULOSIC YARN	1267	835	891										2993	4119
CELLULOSIC STAPLE+TOW														
AUSTRIA	0	40	0										40	259
CANADA	749	1188	1356										3293	2482
JAPAN	59	168	168										395	346
MEXICO	0	0	0										0	419
UNITED KINGDOM	46	5	73										124	224
ALL OTHER COUNTRIES[b]	131	23	63										217	496
TOTAL CELLULOSIC STAPLE+TOW	985	1424	1660										4069	4226
NONCELLULOSIC YARN, MONOFIL & STRIPS														
AUSTRALIA	4	19	17										40	47
AUSTRIA	0	17	6										23	235
BELGIUM	1408	1377	559										3344	3566
CANADA	890	1976	1613										4479	2477
COSTA RICA	729	515	642										1886	1259
FRANCE	686	685	659										2030	1773
GERMANY, FED. REP. OF	1744	2397	2421										6562	3791
IRELAND	81	58	0										139	88
ISRAEL	162	233	90										485	1006
ITALY	1202	866	1292										3360	2477
JAPAN	964	570	670										2204	2218
MEXICO	1167	2037	2527										5731	2268
NETHERLANDS	93	184	151										428	316
ROMANIA	32	0	25										57	60
SOUTH AFRICA	88	0	0										88	2251
SWITZERLAND	253	+	64										317	149
TAIWAN	14	2	63										79	122
UNITED KINGDOM	735	39	844										1618	1453
ALL OTHER COUNTRIES[c]	172	785	253										1210	451
TOTAL NONCELLULOSIC YARN	10424	11760	11896										34080	26007
NONCELLULOSIC STAPLE+TOW														
AUSTRALIA	0	0	0										0	94
BELGIUM	21	36	18										75	100
BRAZIL	0	438	236										674	117
CANADA	3125	3071	3201										9397	5911
FRANCE	955	588	532										2075	2964
GERMANY, FED. REP. OF	2586	2611	2194										7391	8384
IRELAND	109	0	0										109	81
ISRAEL	62	0	31										93	171
ITALY	2265	1616	2200										6081	4489
JAPAN	1849	1623	2230										5702	5707
KOREA, REP. OF	935	844	655										2434	1398
MEXICO	1586	1554	1784										4924	3141
ROMANIA	372	86	590										1048	456
SOUTH AFRICA	0	0	0										0	168
SWITZERLAND	71	139	198										408	160
TAIWAN	1911	1487	1338										4736	5803
UNITED KINGDOM	777	1280	1522										3579	6310
ALL OTHER COUNTRIES[d]	133	108	265										506	582
TOTAL NONCELLULOSIC STAPLE+TOW	16757	15481	16994										49232	46036

+ Nominal quantity.

Other countries supplying 1987 quantities are:

a. Austria 138, France 3, Belgium 1.

b. Italy 147, Sweden 43, Germany, Fed. Rep. of 23, Finland 3, Belgium 1, France.

c. Yugoslavia 596, Singapore 139, China, PRC 94, Denmark 93, Korea, Rep. of 84, Argentina 55, Turkey 39, Morocco 33, Philippines 27, Chile 14, Thailand 4, Brazil 3, Iceland 1, Greece, Hong Kong.

d. Austria 191, Malaysia 143, Denmark 78, Hong Kong 40, Turkey 37, Netherlands 15, Portugal 1, Sweden 1, Philippines.

TABLE 15:
SELECTED U.S. MONTHLY TEXTILE FIBER DATA
MILLION POUNDS

ITEM	1987 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE[a] 1987	1986
	TOTAL SHIPMENTS[b]													
MAN-MADE FIBER DATA[c]														
YARN+MONOFILAMENTS														
CELLULOSIC YARN	**14.6**	**13.7**	**15.9**	**16.5**									**60.7**	**72.7**
NYLON[d] - INDUSTRIAL[e]	31.0	32.8	30.6	29.5									123.9	113.7
- CARPET	75.1	77.6	79.9	76.9									309.5	287.5
- TEXTILE[g]	30.5	30.4	33.5	32.1									126.5	125.8
POLYESTER - INDUSTRIAL[e]	26.6	27.6	29.4	27.7									111.3	108.4
- TEXTILE[g]	63.3	64.0	72.3	75.7									275.3	293.2
OLEFIN[f]	92.3	87.6	90.8	88.9									359.6	327.6
TOTAL NONCELLULOSIC ABOVE	**318.8**	**320.0**	**336.5**	**330.8**									**1306.1**	**1256.2**
STAPLE+TOW+FIBERFILL														
RAYON	**34.1**	**29.7**	**36.1**	**33.2**									**133.1**	**130.6**
NYLON[d]	84.1	81.2	86.2	88.7									340.2	266.2
ACRYLIC+MODACRYLIC	49.2	50.7	54.2	51.2									205.3	205.9
POLYESTER	184.0	191.7	203.8	194.6									774.1	705.6
OLEFIN+VINYON[h]	28.2	27.9	30.8	31.1									118.0	106.3
TOTAL NONCELLULOSIC ABOVE	**345.5**	**351.5**	**375.0**	**365.6**									**1437.6**	**1284.0**
	END-OF-MONTH STOCK													
YARN+MONOFILAMENTS														
CELLULOSIC YARN	**17.9**	**18.2**	**16.8**	**15.2**									**15.2**	**12.1**
NYLON[d] - INDUSTRIAL[e]	29.2	24.9	26.7	29.0									29.0	26.1
- CARPET	56.6	55.5	52.3	52.4									52.4	52.5
- TEXTILE[g]	49.6	49.4	46.5	47.2									47.2	44.7
POLYESTER - INDUSTRIAL[e]	30.6	30.0	27.8	29.0									29.0	27.2
- TEXTILE[g]	85.6	88.8	87.6	83.2									83.2	96.5
OLEFIN[f]	54.7	55.6	55.6	56.3									56.3	69.5
TOTAL NONCELLULOSIC ABOVE	**306.3**	**304.2**	**296.5**	**297.1**									**297.1**	**316.5**
STAPLE+TOW+FIBERFILL														
RAYON	**24.3**	**26.1**	**23.8**	**24.7**									**24.7**	**20.1**
NYLON[d]	59.3	53.8	58.7	57.7									57.7	89.1
ACRYLIC+MODACRYLIC	68.2	67.9	67.8	70.1									70.1	56.8
POLYESTER	178.0	169.8	162.3	162.4									162.4	148.6
OLEFIN+VINYON[h]	33.3	32.6	30.9	30.3									30.3	31.7
TOTAL NONCELLULOSIC ABOVE	**338.8**	**324.1**	**319.7**	**320.5**									**320.5**	**326.2**
WOOL & COTTON CONSUMPTION														
APPAREL CLASS WOOL	13.8	13.6											27.4	25.8
CARPET CLASS WOOL	0.8	0.8											1.6	1.8
TOTAL RAW WOOL	14.6	14.4											29.0	27.6
RAW COTTON	302.3	281.8	340.3										924.4	797.8

a. "Year-to-date" totals for stock, are the latest month's figures.

b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

c. Producers' total domestic plus export shipments.

d. Data for nylon exclude Aramid.

e. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

f. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.

g. Low denier industrial nylon and polyester included with Textile.

h. 1987 data excludes Vinyon.

TABLE 16:
QUARTERLY MAN-MADE FIBER DATA

MILLION POUNDS

ITEM	1985					1986					1987				
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR
						YARN+MONOFILAMENTS									
CELLULOSIC YARN[d]															
PRODUCTION	**52.8**	**54.5**	**48.4**	**48.9**	**204.6**	**54.3**	**54.7**	**54.1**	**51.7**	**214.8**	**46.2**				
SHIPMENTS - DOMESTIC	44.4	48.0	46.6	48.1	187.1	48.6	50.4	47.7	45.4	192.1	39.2				
- EXPORT	7.3	6.0	4.6	5.1	23.0	4.7	5.1	4.9	5.5	20.2	5.0				
TOTAL SHIPMENTS	**51.7**	**54.0**	**51.2**	**53.2**	**210.1**	**53.3**	**55.5**	**52.6**	**50.9**	**212.3**	**44.2**				
ENDING STOCK	**18.9**	**19.4**	**16.6**	**12.3**		**13.3**	**12.5**	**14.0**	**14.8**		**16.8**				
NYLON															
PRODUCTION	**370.8**	**360.3**	**386.7**	**397.0**	**1514.8**	**396.9**	**396.5**	**398.3**	**414.6**	**1606.3**	**414.1**				
SHIPMENTS - DOMESTIC	323.7	353.0	368.9	371.8	1417.4	363.4	368.7	377.7	370.6	1480.4	389.3				
- EXPORT	33.5	25.0	33.3	26.6	118.4	26.7	28.2	25.1	32.8	112.8	32.1				
TOTAL SHIPMENTS	**357.2**	**378.0**	**402.2**	**398.4**	**1535.8**	**390.1**	**396.9**	**402.8**	**403.4**	**1593.2**	**421.4**				
ENDING STOCK	**154.3**	**136.6**	**121.1**	**119.7**		**126.5**	**126.1**	**121.6**	**132.8**		**125.5**				
OLEFIN[a]															
PRODUCTION	**231.6**	**251.1**	**234.5**	**237.3**	**954.5**	**245.9**	**255.7**	**259.5**	**296.6**	**1057.7**	**255.8**				
SHIPMENTS - DOMESTIC	223.6	246.0	234.4	233.6	937.6	241.3	258.4	257.8	291.7	1049.2	261.5				
- EXPORT	3.6	3.8	3.2	2.9	13.5	2.4	2.9	2.6	2.6	10.5	2.7				
TOTAL SHIPMENTS	**227.2**	**249.8**	**237.6**	**236.5**	**951.1**	**243.7**	**261.3**	**260.4**	**294.3**	**1059.7**	**264.2**				
ENDING STOCK	**65.9**	**67.2**	**64.1**	**64.9**		**67.1**	**61.5**	**60.6**	**62.9**		**54.5**				
POLYESTER															
PRODUCTION	**316.2**	**340.8**	**345.9**	**318.0**	**1320.9**	**322.2**	**271.5**	**285.5**	**293.5**	**1172.7**	**287.7**				
SHIPMENTS - DOMESTIC	290.1	311.6	309.2	293.3	1204.2	284.8	253.5	273.7	280.4	1092.4	267.8				
- EXPORT	17.7	30.6	29.0	31.0	108.3	21.8	23.8	14.3	17.4	77.3	15.4				
TOTAL SHIPMENTS	**307.8**	**342.2**	**338.2**	**324.3**	**1312.5**	**306.6**	**277.3**	**288.0**	**297.8**	**1169.7**	**283.2**				
ENDING STOCK	**107.9**	**106.5**	**114.2**	**107.9**		**123.5**	**117.7**	**115.2**	**110.9**		**115.4**				
TOTAL NONCELLULOSIC ABOVE															
PRODUCTION	**918.6**	**952.2**	**967.1**	**952.3**	**3790.2**	**965.0**	**923.7**	**943.3**	**1004.7**	**3836.7**	**957.6**				
SHIPMENTS - DOMESTIC	837.4	910.6	912.5	898.7	3559.2	889.5	880.6	909.2	942.7	3622.0	918.6				
- EXPORT	54.8	59.4	65.5	60.5	240.2	50.9	54.9	42.0	52.8	200.6	50.2				
TOTAL SHIPMENTS	**892.2**	**970.0**	**978.0**	**959.2**	**3799.4**	**940.4**	**935.5**	**951.2**	**995.5**	**3822.6**	**968.8**				
ENDING STOCK	**328.1**	**310.3**	**299.4**	**292.5**		**317.1**	**305.3**	**297.4**	**306.6**		**295.4**				
DOMESTIC SHIPMENTS	837.4	910.6	912.5	898.7	3559.2	889.5	880.6	909.2	942.7	3622.0	918.6				
IMPORTS - TEXTURED YARN[b]	16.2	16.2	22.7	17.8	72.9	17.9	19.5	20.4	24.1	81.9	19.3				
- OTHER YARN[b]	11.9	12.0	9.3	8.4	41.6	12.3	13.9	14.7	14.0	54.9	13.3				
- MONOFILAMENTS	0.6	0.6	0.5	0.4	2.1	0.8	0.6	0.5	0.8	2.7	0.8				
TOTAL IMPORTS	28.7	28.8	32.5	26.6	116.6	31.0	34.0	35.6	38.9	139.5	33.4				
TOTAL AVAILABLE	**866.1**	**939.4**	**945.0**	**925.3**	**3675.8**	**920.5**	**914.6**	**944.8**	**981.6**	**3761.5**	**952.0**				
						TEXTILE GLASS FIBER									
PRODUCTION	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**				
SHIPMENTS - DOMESTIC	300.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
- EXPORT	17.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
TOTAL SHIPMENTS	**317.9**	**325.6**	**318.8**	**297.3**	**1259.6**	**330.6**	**352.6**	**333.9**	**322.2**	**1339.3**	**324.2**				
ENDING STOCK	**NA**	**NA**	**NA**	**NA**		**NA**	**NA**	**NA**	**NA**		**NA**				
IMPORTS	7.5	9.4	8.4	9.4	34.7	7.9	6.0	4.4	5.4	23.7	4.7				
TOTAL AVAILABLE	**308.1**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**				

FOOTNOTES FOR TABLE ABOVE & OPPOSITE

NA no longer available.

"Imports" are imports for consumption, as reported by the U.S. Census Bureau.

a. Also include film fiber as well as spunbonded polypropylene.

b. Includes singles and plied.

c. These figures are composites of the nylon, acrylic+mod-acrylic, polyester and olefin staple imports, i.e., Commodity Numbers 309.4338, .4342, .4345, & .4346.

d. Includes both rayon & acetate yarn.

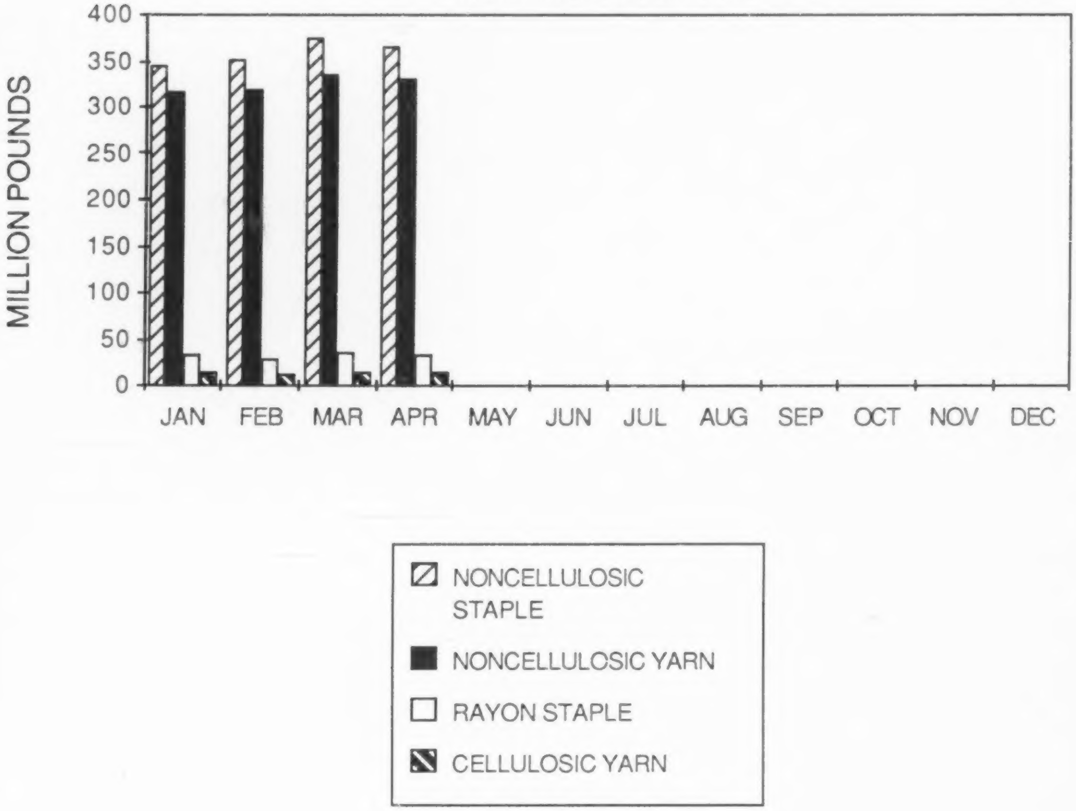
TABLE 16:
QUARTERLY MAN-MADE FIBER DATA *(Continued)*
MILLION POUNDS

ITEM	1985					1986					1987				
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR
						STAPLE+TOW									
RAYON															
PRODUCTION	85.6	85.8	87.2	94.1	352.7	95.1	99.7	103.4	105.5	403.7	101.3				
SHIPMENTS - DOMESTIC	73.8	76.6	82.9	90.4	323.7	91.6	92.0	95.1	94.3	373.0	91.8				
- EXPORT	7.9	13.5	10.0	3.6	35.0	6.3	6.9	7.3	10.3	30.8	8.1				
TOTAL SHIPMENTS	81.7	90.1	92.9	94.0	358.7	97.9	98.9	102.4	104.6	403.8	99.9				
ENDING STOCK	32.4	28.1	22.4	22.5		19.7	20.5	21.5	22.4		23.8				
DOMESTIC SHIPMENTS	73.8	76.6	82.9	90.4	323.7	91.6	92.0	95.1	94.3	373.0	91.8				
IMPORTS FOR CONSUMPTION															
STAPLE	3.8	2.2	2.4	2.9	11.3	3.9	3.6	4.6	4.3	16.4	3.9				
GROUPED FILAMENTS	0.3	0.3	0.3	0.2	1.1	0.3	0.3	0.3	0.1	1.0	0.2				
TOTAL IMPORTS	4.1	2.5	2.7	3.1	12.4	4.2	3.9	4.9	4.4	17.4	4.1				
TOTAL AVAILABLE	77.9	79.1	85.6	93.5	336.1	95.8	95.9	100.0	98.7	390.4	95.9				
NYLON															
PRODUCTION	191.6	200.8	215.6	219.7	827.7	220.5	207.4	236.1	244.3	908.3	247.4				
SHIPMENTS-DOMESTIC	192.8	202.7	212.9	221.9	830.3	195.2	203.2	254.3	242.2	894.9	246.2				
-EXPORT	3.3	3.1	3.2	3.7	13.3	3.9	2.9	3.0	3.5	13.3	5.3				
TOTAL SHIPMENTS	196.1	205.8	216.1	225.6	843.6	199.1	206.1	257.3	245.7	908.2	251.5				
ENDING STOCK	74.1	69.1	68.6	62.7		84.1	85.4	64.2	62.8		58.7				
IMPORTS	8.7	8.0	12.5	9.3	38.5	11.9	10.6	14.9	14.6	52.0	14.8				
TOTAL AVAILABLE	201.5	210.7	225.4	231.2	868.8	207.1	213.8	269.2	256.8	946.9	261.0				
ACRYLIC+MODACRYLIC															
PRODUCTION	163.0	158.5	152.1	157.2	630.8	149.0	151.1	158.0	157.8	615.9	155.7				
SHIPMENTS-DOMESTIC	105.3	119.7	118.6	115.1	458.7	123.1	143.7	138.7	125.7	531.2	139.4				
-EXPORT	59.0	42.4	46.7	37.0	185.1	27.1	19.2	17.8	18.8	82.9	14.7				
TOTAL SHIPMENTS	164.3	162.1	165.3	152.1	643.8	150.2	162.9	156.5	144.5	614.1	154.1				
ENDING STOCK	76.1	72.5	59.3	64.4		63.2	51.4	52.9	66.2		67.8				
IMPORTS	3.4	3.6	5.9	4.7	17.6	3.2	4.0	5.3	4.9	17.4	3.3				
TOTAL AVAILABLE	108.7	123.3	124.5	119.8	476.3	126.3	147.7	144.0	130.6	548.6	142.7				
OLEFIN+VINYON															
PRODUCTION	69.1	72.7	75.1	77.8	294.7	82.4	82.3	84.7	85.9	335.3	85.5				
SHIPMENTS-DOMESTIC	67.2	71.9	70.8	69.8	279.7	73.9	82.6	76.4	79.8	312.7	81.1				
-EXPORT	1.0	2.0	3.2	2.3	8.5	4.2	4.8	4.8	5.0	18.8	6.9				
TOTAL SHIPMENTS	68.2	73.9	74.0	72.1	288.2	78.1	87.4	81.2	84.8	331.5	88.0				
ENDING STOCK	24.1	22.9	24.0	29.7		34.0	28.9	32.4	33.5		31.0				
POLYESTER															
PRODUCTION	520.7	512.2	468.9	518.3	2020.1	520.8	538.7	522.1	550.7	2132.3	577.9				
SHIPMENTS-DOMESTIC	456.3	460.2	462.4	493.8	1872.7	499.1	499.9	496.3	503.3	1998.6	531.3				
-EXPORT	51.0	63.2	29.1	22.6	165.9	25.7	25.0	31.6	42.5	124.8	48.2				
TOTAL SHIPMENTS	507.3	523.4	491.5	516.4	2038.6	524.8	524.9	527.9	545.8	2123.4	579.5				
ENDING STOCK	186.9	175.7	153.1	155.0		151.0	164.8	159.0	163.9		162.3				
IMPORTS	5.5	7.7	7.3	6.3	26.8	9.3	8.9	8.7	13.9	40.8	15.5				
TOTAL AVAILABLE	461.8	467.9	469.7	500.1	1899.5	508.4	508.8	505.0	517.2	2039.4	546.8				
TOTAL NONCELLULOSIC															
PRODUCTION	944.4	944.2	911.7	973.0	3773.3	972.7	979.5	1000.9	1038.7	3991.8	1066.5				
SHIPMENTS-DOMESTIC	821.6	854.5	864.7	900.6	3441.4	891.3	929.4	965.7	951.0	3737.4	998.0				
-EXPORT	114.3	110.7	82.2	65.6	372.8	60.9	51.9	57.2	69.8	239.8	75.1				
TOTAL SHIPMENTS	935.9	965.2	946.9	966.2	3814.2	952.2	981.3	1022.9	1020.8	3977.2	1073.1				
ENDING STOCK	361.2	340.2	305.0	311.8		332.3	330.5	308.5	326.4		319.8				
DOMESTIC SHIPMENTS	821.6	854.5	864.7	900.6	3441.4	891.3	929.4	965.7	951.0	3737.4	998.0				
IMPORTS FOR CONSUMPTION															
3 FIBERS ABOVE [c]	17.6	19.3	25.7	20.3	82.9	24.4	23.5	28.9	33.4	110.2	33.6				
OTHER N.C. STAPLE	7.1	7.3	8.7	8.2	31.3	7.2	4.4	2.5	2.0	16.1	3.2				
GROUPED FILAMENTS	9.5	11.8	11.9	12.3	45.5	14.4	15.0	14.7	12.4	56.5	12.4				
TOTAL IMPORTS	34.2	38.4	46.3	40.8	159.7	46.0	42.9	46.1	47.8	182.8	49.2				
TOTAL AVAILABLE	855.8	892.9	911.0	941.4	3601.1	937.3	972.3	1011.8	998.8	3920.2	1047.2				

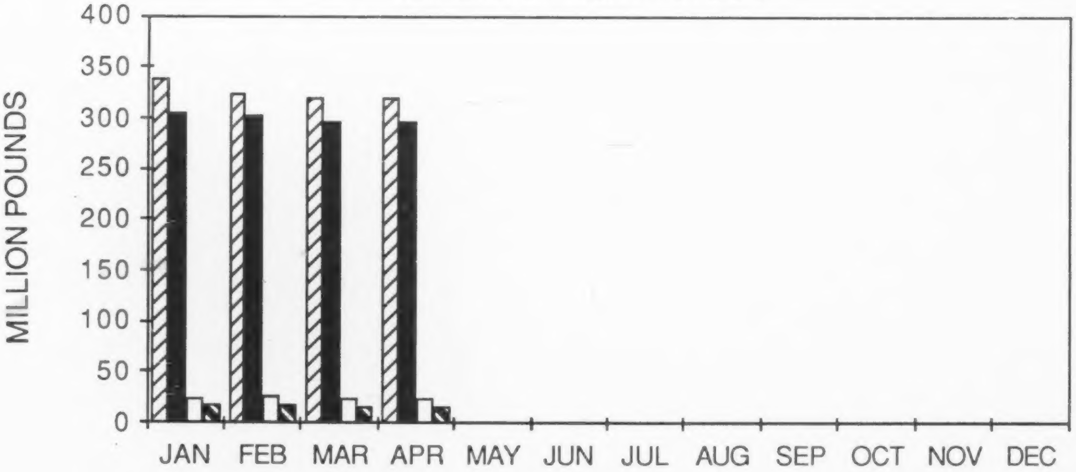
See footnotes on opposite page.

GRAPH 10:
SELECTED U.S. MONTHLY TEXTILE FIBER DATA

1987 TOTAL SHIPMENTS



1987 END-OF-MONTH STOCK



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TEXTILE ORGANON

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WORLDWIDE MAN-MADE FIBER SURVEY

HIGHLIGHTS:

- Worldwide Survey -
  - Fiber Demand
  - Production and Producing Capacities
  - Utilization Rates
  - Directory of Producers
  - Ownership Listing
  - Olefin Fiber Production

Featuring....

Our annual production and planned capacity survey, and a worldwide directory of man-made fiber producers.

Worldwide production (Tables 1-8) is reported in thousand metric tons. These tables will be published again in the July issue showing data in millions of pounds. Country data on available supply will be published in the ***Organon*** as soon as we receive this information.

Pre-1980 data for most of the tables in this issue can be found in the ***Textile Organon Base Book*** (1962) and subsequent June issues of the ***Textile Organon***. The cotton demand figures are a new series based on worldwide consumption rather than production. This eliminates problems with the wide swings in cotton stock accumulations.

TABLE 1:
WORLDWIDE DEMAND FOR CERTAIN FIBERS

THOUSAND METRIC TONS

TYPE OF FIBER	1982	1983	1984	1985	1986	% CHANGE 1986 / 1985
CELLULOSIC FIBERS						
YARN+MONOFILAMENTS	1023	1040	1029	1026	1036	*+1.0*
STAPLE+TOW	1922	1989	2065	2006	1949	*-2.8*
TOTAL CELLULOSIC	**2945**	**3029**	**3094**	**3032**	**2985**	***-1.6***
NONCELLULOSIC FIBERS						
YARN+MONOFILAMENTS	4480	4851	5210	5583	5721	*+2.5*
STAPLE+TOW	5666	6265	6638	6975	7392	*+6.0*
TOTAL NONCELLULOSIC	**10146**	**11116**	**11848**	**12558**	**13113**	***+4.4***
TOTAL MAN-MADE [a]	**13091**	**14145**	**14942**	**15590**	**16098**	***+3.3***
% of World Total	*44%*	*46%*	*46%*	*46%*	*46%*	
NATURAL FIBERS						
RAW COTTON [b]	14738	15062	15528	16619	17181	*+3.4*
RAW WOOL [c]	1624	1636	1672	1675	1684	*+0.5*
RAW SILK [d]	55	55	55	56	56	*0*
TOTAL NATURAL	**16417**	**16753**	**17255**	**18350**	**18921**	***+3.1***
% of World Total	*56%*	*54%*	*54%*	*54%*	*54%*	
WORLD TOTAL	**29508**	**30898**	**32197**	**33940**	**35019**	***+3.2***
World Total %	*100%*	*100%*	*100%*	*100%*	*100%*	

The silk and man-made fiber data are on a calendar year basis, while the figures for cotton and wool are on a seasonal basis.

a. Man-made fiber data are from tables 2 and 3. Textile glass fiber, olefin and acetate cigarette tow production are not included.

b. International Cotton Advisory Committee. New series based on cotton consumption data.

c. Commonwealth Secretariat & The Wool Bureau, Inc. data are on a scoured basis. Also see December 1986 *Organon*.

d. International Silk Association; Food and Agriculture Organization of the United Nations.

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DATAGRAM

Total man-made fiber production registered it's fourth straight increase in 1986, rising 3% from the 1985 level. In 1986 production was 16,098 thousand metric tons, 23% above the 13,091 thousand metric tons produced in 1982.

Noncellulosic fiber production was the source of man-made fiber production increases, while cellulosic fiber production declined slightly in 1986 and has remained essentially unchanged over the past five years.

The overall increase in noncellulosic fiber production was 4% between 1985 and 1986. Noncellulosic yarn production went up 2.5% with staple+tow rising 6%.

Noncellulosic Fiber Production - Major Growth Areas

	% Change 1986/85
• Other Asia	+12.8
• China, PRC	+10.8
• Eastern Europe	+6.1
• U.S.A.	+1.9

1986 market shares for the major growth areas are: Other Asia 21%; China, PRC 6%; Eastern Europe 13%; and U.S.A. 22%.

Worldwide Production Gains for Selected Fibers

	% Change 1986/85
• Polyester Staple	+8.6
• Nylon Staple	+5.7
• Polyester Filament Yarn	+3.3
• Acrylic+Modacrylic	+2.6

In 1986, the U.S.A. accounted for 33% of total nylon yarn and staple production. Other Asia produced 28% of total polyester filament yarn and staple in 1986, while the U.S.A. produced 21%.

Noncellulosic Fiber Producing Capacities in Selected Countries

	% Change 1987/86	
	Yarn	Staple+Tow
• China, PRC	+10.5	+14.1
• India	+21.6	+4.6
• Indonesia	+31.0	+31.3
• Korea, Rep. of	+9.3	+5.3
• Taiwan	+9.1	-2.5
• U.S.A.	-0.9	-2.8

An estimated 488 thousand metric tons is expected to be added to noncellulosic producing capacity in 1987. The increase in yarn capacity is projected to be 286 thousand metric tons and staple+tow 202 thousand metric tons.

% Utilization Rates: 1986 Production/Average Capacity*

	Yarn	Staple+Tow
• Worldwide	74.7%	79.4%

NOTE: For the first time we have estimated utilization rates by fiber type and by area. (See Table 5)
* Based on an average of 3/86 & 3/87.

TABLE 2:
WORLDWIDE NONCELLULOSIC FIBER PRODUCTION & PRODUCING CAPACITY BY COUNTRY EXCEPT OLEFIN
THOUSAND METRIC TONS

	ACTUAL PRODUCTION								
	1982			1983			1984		
COUNTRY	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
WESTERN EUROPE									
AUSTRIA	0	16.2	16.2	0	18.0	18.0	0	18.1	18.1
BENELUX[a]	70.6	19.2	89.8	61.9	21.3	83.2	65.5	23.0	88.5
FINLAND	0.5	0	0.5	0.5	0	0.5	0.5	0	0.5
FRANCE	64.8	125.3	190.1	63.2	135.1	198.3	60.2	133.6	193.8
GERMANY, FED. REP.	319.0	350.0	669.0	339.2	393.0	732.2	352.0	379.0	731.0
GREECE	8.5	9.3	17.8	9.0	10.0	19.0	9.0	10.0	19.0
IRELAND	12.3	28.0	40.3	11.0	32.0	43.0	11.5	37.5	49.0
ITALY/MALTA	148.7	280.0	428.7	142.5	312.6	455.1	154.0	370.4	524.4
PORTUGAL	0.9	38.0	38.9	1.0	39.0	40.0	1.0	42.0	43.0
SPAIN	73.6	157.8	231.4	64.6	173.2	237.8	77.6	176.8	254.4
SWITZERLAND	53.4	27.0	80.4	58.0	28.0	86.0	69.7	28.3	98.0
TURKEY	45.1	80.2	125.3	48.0	104.5	152.5	52.5	120.7	173.2
UNITED KINGDOM	66.5	137.8	204.3	80.0	147.7	227.7	83.5	154.0	237.5
TOTAL WESTERN EUROPE	**863.9**	**1268.8**	**2132.7**	**878.9**	**1414.4**	**2293.3**	**937.0**	**1493.4**	**2430.4**
EASTERN EUROPE									
ALBANIA	0	0	0	0	0	0	0	0	0
BULGARIA	13.5	38.0	51.5	18.0	42.0	60.0	20.0	43.8	63.8
CZECHOSLOVAKIA	52.9	35.9	88.8	54.0	36.2	90.2	60.0	38.6	98.6
GERMANY, DEM .REP.	65.0	78.9	143.9	69.0	82.0	151.0	68.5	86.0	154.5
HUNGARY	7.6	12.7	20.3	7.6	13.2	20.8	8.0	13.5	21.5
POLAND	80.0	54.7	134.7	88.4	72.6	161.0	91.4	75.0	166.4
ROMANIA	41.0	112.0	153.0	45.0	112.5	157.5	53.0	116.5	169.5
USSR	322.8	265.0	587.8	345.0	277.0	622.0	372.8	291.5	664.3
YUGOSLAVIA	27.0	47.5	74.5	29.0	50.0	79.0	33.0	52.0	85.0
TOTAL EASTERN EUROPE	**609.8**	**644.7**	**1254.5**	**656.0**	**685.5**	**1341.5**	**706.7**	**716.9**	**1423.6**
TOTAL EUROPE	**1473.7**	**1913.5**	**3387.2**	**1534.9**	**2099.9**	**3634.8**	**1643.7**	**2210.3**	**3854.0**

Y Yarn+monofilaments.

S Staple+tow+fiberfill.

a. Includes Belgium, Netherlands and Luxembourg.

ACTUAL PRODUCTION						PRODUCING CAPACITY					
1985			1986			3/1987			12/1988		
Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
0	18.1	18.1	0	15.0	15.0	*0*	*21.0*	*21.0*	*0*	*22.0*	*22.0*
71.0	29.0	100.0	73.0	34.0	107.0	*99.5*	*59.0*	*158.5*	*99.5*	*59.0*	*158.5*
0.5	0	0.5	0.5	0	0.5	*0.6*	*0*	*0.6*	*0.6*	*0*	*0.6*
60.7	124.0	184.7	61.2	106.0	167.2	*86.0*	*133.0*	*219.0*	*86.0*	*133.0*	*219.0*
360.0	402.0	762.0	347.0	399.0	746.0	*409.0*	*433.0*	*842.0*	*416.0*	*433.0*	*849.0*
9.0	10.0	19.0	9.0	10.0	19.0	*17.7*	*12.0*	*29.7*	*17.7*	*12.0*	*29.7*
11.5	44.0	55.5	13.0	61.0	74.0	*14.0*	*65.5*	*79.5*	*14.0*	*65.5*	*79.5*
170.0	388.0	558.0	173.0	396.0	569.0	*189.7*	*420.0*	*609.7*	*189.7*	*420.0*	*609.7*
1.0	49.0	50.0	0	55.0	55.0	*0*	*58.0*	*58.0*	*0*	*63.0*	*63.0*
85.0	189.0	274.0	83.0	186.0	269.0	*118.0*	*222.7*	*340.7*	*118.0*	*222.7*	*340.7*
72.0	27.5	99.5	68.0	27.0	95.0	*85.0*	*32.0*	*117.0*	*85.0*	*32.0*	*117.0*
56.0	134.0	190.0	60.0	169.0	229.0	*108.0*	*215.0*	*323.0*	*110.0*	*215.0*	*325.0*
90.5	149.0	239.5	87.0	130.0	217.0	*107.0*	*191.0*	*298.0*	*107.0*	*191.0*	*298.0*
987.2	**1563.6**	**2550.8**	**974.7**	**1588.0**	**2562.7**	***1234.5***	***1862.2***	***3096.7***	***1243.5***	***1868.2***	***3111.7***
0.4	0	0.4	0.4	0	0.4	*2.0*	*5.0*	*7.0*	*2.0*	*5.0*	*7.0*
28.0	46.8	74.8	40.0	48.0	88.0	*60.0*	*86.0*	*146.0*	*60.0*	*106.0*	*166.0*
68.0	50.0	118.0	70.0	51.0	121.0	*92.0*	*87.0*	*179.0*	*97.0*	*87.0*	*184.0*
69.0	87.0	156.0	77.0	92.5	169.5	*89.0*	*109.0*	*198.0*	*91.0*	*109.0*	*200.0*
9.5	14.8	24.3	9.7	17.5	27.2	*12.0*	*23.0*	*35.0*	*12.0*	*23.0*	*35.0*
93.4	77.5	170.9	96.1	78.5	174.6	*122.0*	*84.0*	*206.0*	*126.2*	*84.0*	*210.2*
53.0	148.0	201.0	60.0	151.0	211.0	*78.0*	*174.0*	*252.0*	*78.0*	*174.0*	*252.0*
388.8	314.0	702.8	392.8	354.0	746.8	*476.0*	*472.0*	*948.0*	*476.0*	*472.0*	*948.0*
45.0	77.0	122.0	47.0	80.0	127.0	*72.0*	*100.0*	*172.0*	*72.0*	*111.0*	*183.0*
755.1	**815.1**	**1570.2**	**793.0**	**872.5**	**1665.5**	***1003.0***	***1140.0***	***2143.0***	***1014.2***	***1171.0***	***2185.2***
1742.3	**2378.7**	**4121.0**	**1767.7**	**2460.5**	**4228.2**	***2237.5***	***3002.2***	***5239.7***	***2257.7***	***3039.2***	***5296.9***

TABLE 2:
WORLDWIDE NONCELLULOSIC FIBER PRODUCTION & PRODUCING CAPACITY BY COUNTRY EXCEPT OLEFIN *(CONTINUED)*
THOUSAND METRIC TONS

COUNTRY	ACTUAL PRODUCTION								
	1982			1983			1984		
	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
U.S.A.	**1121.4**	**1480.6**	**2602.0**	**1293.5**	**1715.0**	**3008.5**	**1259.8**	**1677.1**	**2936.9**
OTHER AMERICAS									
ARGENTINA	18.1	11.9	30.0	24.2	16.0	40.2	25.5	21.4	46.9
BOLIVIA	1.0	0	1.0	2.0	0	2.0	0	0	0
BRAZIL	116.0	82.1	198.1	105.7	79.6	185.3	118.2	97.6	215.8
CANADA	52.0	45.0	97.0	59.3	53.0	112.3	69.6	59.0	128.6
CHILE	4.6	0.8	5.4	2.6	1.0	3.6	2.8	1.1	3.9
COLOMBIA	31.0	8.8	39.8	31.3	8.9	40.2	38.6	10.7	49.3
COSTA RICA	3.3	0	3.3	3.5	0	3.5	3.5	0	3.5
ECUADOR	5.3	0	5.3	4.6	0	4.6	4.8	0	4.8
MEXICO	117.1	115.4	232.5	126.3	142.9	269.2	147.4	151.4	298.8
PERU	11.2	29.4	40.6	12.5	31.0	43.5	13.0	34.1	47.1
URUGUAY	0.9	2.7	3.6	1.6	3.7	5.3	1.6	3.4	5.0
VENEZUELA	8.2	3.6	11.8	9.7	4.0	13.7	10.2	5.5	15.7
TOTAL OTHER AMERICAS	**368.7**	**299.7**	**668.4**	**383.3**	**340.1**	**723.4**	**435.2**	**384.2**	**819.4**
JAPAN	**593.8**	**708.2**	**1302.0**	**597.3**	**720.9**	**1318.2**	**634.0**	**735.3**	**1369.3**
CHINA, PRC	**61.0**	**323.0**	**384.0**	**66.0**	**343.4**	**409.4**	**103.1**	**460.3**	**563.4**
OTHER ASIA									
BANGLADESH	0.2	0	0.2	0.2	0	0.2	0.3	0	0.3
INDIA	62.0	44.2	106.2	87.2	40.8	128.0	106.3	56.0	162.3
INDONESIA	67.2	58.0	125.2	66.4	61.8	128.2	71.5	73.3	144.8
KOREA, REP. OF	301.4	311.1	612.5	336.5	327.6	664.1	369.6	376.9	746.5
MALAYSIA	0	32.0	32.0	0	35.0	35.0	0	35.5	35.5
PAKISTAN	5.1	12.0	17.1	8.1	18.6	26.7	12.0	21.7	33.7
PHILIPPINES	29.0	15.0	44.0	24.5	16.0	40.5	20.5	16.0	36.5
SRI LANKA	1.0	0	1.0	1.0	0	1.0	1.0	0	1.0
TAIWAN	280.8	350.1	630.9	323.4	414.0	737.4	417.9	448.0	865.9
THAILAND	37.1	48.0	85.1	40.0	50.0	90.0	37.0	52.4	89.4
TOTAL OTHER ASIA	**783.8**	**870.4**	**1654.2**	**887.3**	**963.8**	**1851.1**	**1036.1**	**1079.8**	**2115.9**
MIDDLE EAST, AFRICA & OCEANIA									
AUSTRALIA/N.Z.	14.5	0.5	15.0	14.5	1.0	15.5	13.0	1.0	14.0
EGYPT	3.3	17.6	20.9	3.5	20.6	24.1	5.5	25.6	31.1
IRAN	11.5	20.0	31.5	15.0	27.0	42.0	13.5	24.0	37.5
ISRAEL	9.0	7.0	16.0	8.7	7.0	15.7	9.5	7.0	16.5
KENYA	1.8	0	1.8	3.8	0	3.8	4.5	1.0	5.5
NIGERIA	1.2	1.1	2.3	2.5	2.5	5.0	3.0	3.0	6.0
SOUTH AFRICA	35.0	24.0	59.0	38.0	23.0	61.0	46.5	29.7	76.2
TANZANIA	1.0	0	1.0	3.0	0	3.0	3.0	0	3.0
TOTAL M.E., A. & O.	**77.3**	**70.2**	**147.5**	**89.0**	**81.1**	**170.1**	**98.5**	**91.3**	**189.8**
TOTAL WORLD	**4479.7**	**5665.6**	**10145.3**	**4851.3**	**6264.2**	**11115.5**	**5210.4**	**6638.3**	**11848.7**

ACTUAL PRODUCTION						PRODUCING CAPACITY					
1985			1986			3/1987			12/1988		
Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
1286.3	1577.9	2864.2	1260.2	1658.6	2918.8	1473.3	1905.1	3378.4	1492.8	1921.0	3413.8
27.1	16.8	43.9	30.7	24.4	55.1	*67.3*	*38.0*	*105.3*	*67.3*	*38.0*	*105.3*
0	0	0	0	0	0	*5.0*	*0*	*5.0*	*5.0*	*0*	*5.0*
121.7	95.8	217.5	137.3	102.2	239.5	*168.4*	*123.8*	*292.2*	*168.4*	*127.2*	*295.6*
75.1	54.4	129.5	75.3	59.4	134.7	*120.4*	*77.0*	*197.4*	*120.4*	*77.0*	*197.4*
3.3	2.0	5.3	3.7	2.3	6.0	*10.7*	*8.0*	*18.7*	*10.7*	*8.0*	*18.7*
38.3	12.0	50.3	38.7	13.0	51.7	*72.0*	*16.0*	*88.0*	*75.0*	*16.0*	*91.0*
3.5	0	3.5	4.2	0	4.2	*8.0*	*0*	*8.0*	*8.0*	*0*	*8.0*
4.9	0	4.9	5.0	0	5.0	*9.0*	*7.0*	*16.0*	*11.0*	*7.0*	*18.0*
152.2	150.0	302.2	153.2	147.8	301.0	*185.2*	*214.0*	*399.2*	*185.2*	*214.0*	*399.2*
13.3	33.0	46.3	13.5	34.1	47.6	*19.0*	*43.0*	*62.0*	*20.0*	*43.0*	*63.0*
2.1	4.0	6.1	2.2	4.4	6.6	*3.0*	*5.5*	*8.5*	*5.0*	*5.5*	*10.5*
10.9	6.0	16.9	11.6	6.5	18.1	*23.0*	*11.5*	*34.5*	*23.0*	*11.5*	*34.5*
452.4	374.0	826.4	475.4	394.1	869.5	*691.0*	*543.8*	*1234.8*	*699.0*	*547.2*	*1246.2*
645.4	757.3	1402.7	608.2	752.8	1361.0	*814.1*	*913.0*	*1727.1*	*814.1*	*913.0*	*1727.1*
152.9	597.1	750.0	160.0	671.0	831.0	*211.0*	*850.0*	*1061.0*	*211.0*	*850.0*	*1061.0*
0.4	0	0.4	0.4	0	0.4	*1.0*	*18.0*	*19.0*	*1.0*	*18.0*	*19.0*
127.5	66.2	193.7	138.0	76.8	214.8	*242.0*	*248.0*	*490.0*	*312.0*	*276.0*	*588.0*
76.9	70.3	147.2	81.7	85.0	166.7	*148.0*	*147.0*	*295.0*	*158.0*	*169.0*	*327.0*
408.7	402.9	811.6	436.1	425.9	862.0	*470.4*	*448.5*	*918.9*	*485.4*	*448.5*	*933.9*
0	38.8	38.8	0	39.0	39.0	*0*	*42.0*	*42.0*	*0*	*42.0*	*42.0*
15.6	23.0	38.6	18.2	24.4	42.6	*57.0*	*42.0*	*99.0*	*86.0*	*63.0*	*149.0*
22.0	16.5	38.5	21.0	15.0	36.0	*38.0*	*23.0*	*61.0*	*39.0*	*23.0*	*62.0*
1.2	0	1.2	1.3	0	1.3	*3.0*	*0*	*3.0*	*3.0*	*0*	*3.0*
509.5	514.1	1023.6	605.6	626.5	1232.1	*815.2*	*741.6*	*1556.8*	*903.0*	*813.5*	*1716.5*
37.1	55.0	92.1	40.0	57.0	97.0	*74.2*	*72.0*	*146.2*	*75.6*	*85.0*	*160.6*
1198.9	1186.8	2385.7	1342.3	1349.6	2691.9	*1848.8*	*1782.1*	*3630.9*	*2063.0*	*1938.0*	*4001.0*
13.5	1.0	14.5	14.0	1.0	15.0	*25.5*	*1.5*	*27.0*	*25.5*	*1.5*	*27.0*
5.6	27.6	33.2	5.8	29.6	35.4	*14.6*	*51.0*	*65.6*	*14.6*	*53.0*	*67.6*
13.5	31.0	44.5	13.5	31.0	44.5	*43.5*	*39.0*	*82.5*	*43.5*	*45.0*	*88.5*
10.5	7.3	17.8	10.9	7.3	18.2	*18.0*	*7.9*	*25.9*	*18.0*	*7.9*	*25.9*
5.1	1.0	6.1	5.1	1.0	6.1	*17.0*	*5.4*	*22.4*	*17.0*	*5.4*	*22.4*
3.2	3.0	6.2	3.2	3.1	6.3	*6.0*	*5.0*	*11.0*	*8.0*	*5.0*	*13.0*
51.0	31.8	82.8	52.3	32.0	84.3	*68.0*	*32.0*	*100.0*	*68.0*	*34.0*	*102.0*
3.0	0	3.0	3.0	0	3.0	*7.0*	*0*	*7.0*	*7.0*	*0*	*7.0*
105.4	102.7	208.1	107.8	105.0	212.8	*199.6*	*141.8*	*341.4*	*201.6*	*151.8*	*353.4*
5583.6	6974.5	12558.1	5721.6	7391.6	13113.2	*7475.3*	*9138.0*	*16613.3*	*7739.2*	*9360.2*	*17099.4*

TABLE 3:
WORLDWIDE CELLULOSIC FIBER PRODUCTION & PRODUCING CAPACITY BY COUNTRY
THOUSAND METRIC TONS

	ACTUAL PRODUCTION								
	1982			1983			1984		
COUNTRY	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
WESTERN EUROPE [a]									
AUSTRIA	13.8	100.8	114.6	11.4	109.7	121.1	14.8	109.0	123.8
BELGIUM/NETHERLANDS	37.1	8.9	46.0	41.1	6.1	47.2	41.1	0	41.1
FINLAND	0	53.1	53.1	0	57.6	57.6	0	58.0	58.0
FRANCE	8.6	36.9	45.5	8.4	29.5	37.9	7.5	19.0	26.5
GERMANY, FED. REP.	61.5	50.0	111.5	59.0	55.0	114.0	61.0	55.0	116.0
GREECE	7.2	0	7.2	6.3	0	6.3	6.0	0	6.0
ITALY	31.6	14.2	45.8	29.3	0	29.3	30.6	0	30.6
NORWAY	0	20.0	20.0	0	0	0	0	0	0
PORTUGAL	0.9	0	0.9	0.9	0	0.9	1.0	0	1.0
SPAIN	11.3	31.8	43.1	10.5	21.5	32.0	7.2	26.1	33.3
SWEDEN	0	38.0	38.0	0	39.3	39.3	0	40.1	40.1
TURKEY	0.3	3.0	3.3	0.3	4.0	4.3	0.3	4.5	4.8
UNITED KINGDOM	24.0	89.2	113.2	25.0	115.2	140.2	21.0	106.2	127.2
TOTAL WESTERN EUROPE	**196.3**	**445.9**	**642.2**	**192.2**	**437.9**	**630.1**	**190.5**	**417.9**	**608.4**
EASTERN EUROPE									
BULGARIA	4.0	34.0	38.0	4.1	35.0	39.1	4.1	37.1	41.2
CZECHOSLOVAKIA	19.6	35.5	55.1	20.1	37.9	58.0	20.5	38.6	59.1
GERMANY, DEM. REP.	34.0	127.8	161.8	35.0	130.1	165.1	35.2	135.0	170.2
HUNGARY	0	7.6	7.6	0	6.4	6.4	0	7.0	7.0
POLAND	19.3	45.1	64.4	18.2	51.2	69.4	19.5	56.0	75.5
ROMANIA	8.2	50.0	58.2	8.5	51.0	59.5	8.5	51.0	59.5
USSR	294.4	340.5	634.9	300.0	345.0	645.0	307.0	345.0	652.0
YUGOSLAVIA	13.0	55.0	68.0	14.0	58.0	72.0	14.0	55.0	69.0
TOTAL EASTERN EUROPE	**392.5**	**695.5**	**1088.0**	**399.9**	**714.6**	**1114.5**	**408.8**	**724.7**	**1133.5**
TOTAL EUROPE	**588.8**	**1141.4**	**1730.2**	**592.1**	**1152.5**	**1744.6**	**599.3**	**1142.6**	**1741.9**

Y Yarn+monofilaments.
S Staple+tow+fiberfill.
a. Starting in 1986 country detail is no longer available due to disclosure.
These totals do not include data for the Indonesian pilot plant nor production of cellulosic fiber in North Korea.
Production and producing capacity by country, divided between rayon and acetate yarn, is given on pages 116 - 117.
Also note page 120 for data on production of cigarette tow.

ACTUAL PRODUCTION						PRODUCING CAPACITY					
1985			1986			3/1987			12/1988		
Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
14.9	109.0	123.9	DETAIL NO LONGER AVAILABLE		123.0	DETAIL NO LONGER AVAILABLE		*129.0*	DETAIL NO LONGER AVAILABLE		*130.0*
42.0	0	42.0			40.0			*45.2*			*45.2*
0	60.0	60.0			55.0			*65.0*			*65.0*
7.0	15.0	22.0			21.0			*25.0*			*25.0*
64.0	55.0	119.0			121.0			*131.0*			*131.0*
7.0	0	7.0			7.9			*8.0*			*8.0*
30.2	0	30.2			30.0			*42.0*			*45.0*
0	0	0			0			*0*			*0*
1.0	0	1.0			0.7			*2.0*			*2.0*
7.5	30.0	37.5			36.0			*41.1*			*41.1*
0	33.0	33.0			22.1			*45.0*			*47.0*
1.0	7.0	8.0			8.0			*9.2*			*9.2*
19.0	60.2	79.2			58.0			*75.5*			*75.5*
193.6	**369.2**	**562.8**	**189.6**	**333.1**	**522.7**	***224.5***	***393.5***	***618.0***	***227.5***	***396.5***	***624.0***
4.1	37.6	41.7	4.2	38.0	42.2	*5.0*	*42.0*	*47.0*	*5.0*	*42.0*	*47.0*
20.9	39.6	60.5	21.1	40.5	61.6	*25.0*	*61.0*	*86.0*	*25.0*	*61.0*	*86.0*
35.4	132.4	167.8	35.6	91.5	127.1	*39.0*	*166.0*	*205.0*	*39.0*	*166.0*	*205.0*
0	7.0	7.0	0	7.2	7.2	*0*	*10.0*	*10.0*	*0*	*10.0*	*10.0*
20.5	60.0	80.5	20.7	63.0	83.7	*32.0*	*71.5*	*103.5*	*32.0*	*71.5*	*103.5*
8.8	53.0	61.8	9.0	55.0	64.0	*10.0*	*160.0*	*170.0*	*10.0*	*160.0*	*170.0*
312.0	350.0	662.0	316.0	350.0	666.0	*340.0*	*353.0*	*693.0*	*340.0*	*353.0*	*693.0*
14.9	55.0	69.9	15.1	56.0	71.1	*17.0*	*60.0*	*77.0*	*17.0*	*60.0*	*77.0*
416.6	734.6	1151.2	421.7	701.2	1122.9	*468.0*	*923.5*	*1391.5*	*468.0*	*923.5*	*1391.5*
610.2	1103.8	1714.0	611.3	1034.3	1645.6	*692.5*	*1317.0*	*2009.5*	*695.5*	*1320.0*	*2015.5*

TABLE 3:
WORLDWIDE CELLULOSIC FIBER PRODUCTION & PRODUCING CAPACITY BY COUNTRY *(CONTINUED)*
THOUSAND METRIC TONS

	ACTUAL PRODUCTION								
	1982			1983			1984		
COUNTRY	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
U.S.A.	103.6	161.0	264.6	119.7	170.6	290.3	108.4	176.4	284.8
OTHER AMERICAS									
ARGENTINA	1.6	0	1.6	1.7	0	1.7	1.8	1.5	3.3
BRAZIL	20.8	24.2	45.0	18.4	22.0	40.4	17.7	29.0	46.7
CANADA	9.5	28.0	37.5	10.0	30.0	40.0	10.0	33.9	43.9
CHILE	1.0	3.2	4.2	1.0	3.2	4.2	1.2	3.7	4.9
COLOMBIA	1.8	0	1.8	1.8	0	1.8	1.8	0	1.8
CUBA	2.1	3.6	5.7	2.0	3.5	5.5	2.0	3.5	5.5
MEXICO	14.1	5.4	19.5	10.8	5.0	15.8	11.6	4.0	15.6
PERU	1.0	0	1.0	1.0	0	1.0	1.7	0	1.7
URUGUAY	0.6	0	0.6	1.0	0	1.0	1.0	0	1.0
VENEZUELA	1.2	0	1.2	1.5	0	1.5	1.9	0	1.9
TOTAL OTHER AMERICAS	53.7	64.4	118.1	49.2	63.7	112.9	50.7	75.6	126.3
JAPAN	120.5	258.8	379.3	116.8	271.0	387.8	110.8	266.6	377.4
CHINA, PRC	80.0	105.0	185.0	85.0	100.0	185.0	87.0	108.0	195.0
OTHER ASIA									
BANGLADESH	2.5	0	2.5	2.5	1.0	3.5	2.5	1.0	3.5
INDIA	48.6	52.8	101.4	46.2	69.9	116.1	41.7	100.1	141.8
INDONESIA	0	18.1	18.1	0	34.1	34.1	0	41.3	41.3
KOREA, REP. OF	9.9	5.8	15.7	12.9	0	12.9	12.8	0	12.8
PAKISTAN	2.5	0	2.5	2.7	0	2.7	3.1	0	3.1
TAIWAN	3.3	89.5	92.8	3.0	98.5	101.5	2.5	125.5	128.0
THAILAND	0	15.5	15.5	0	17.5	17.5	0	18.0	18.0
TOTAL OTHER ASIA	66.8	181.7	248.5	67.3	221.0	288.3	62.6	285.9	348.5
MIDDLE EAST, AFRICA & OCEANIA									
EGYPT	7.0	4.5	11.5	7.0	4.6	11.6	7.0	4.6	11.6
IRAQ	3.0	5.5	8.5	3.0	5.5	8.5	3.0	5.5	8.5
TOTAL M.E., A & O	10.0	10.0	20.0	10.0	10.1	20.1	10.0	10.1	20.1
TOTAL WORLD	1023.4	1922.3	2945.7	1040.1	1988.9	3029.0	1028.8	2065.2	3094.0

ACTUAL PRODUCTION						PRODUCING CAPACITY					
1985			1986			3/1987			12/1988		
Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
93.0	**160.1**	**253.1**	**97.5**	**183.3**	**280.8**	***110.7***	***210.9***	***321.6***	***110.7***	***210.9***	***321.6***
1.5	1.5	3.0	2.0	3.6	5.6	*9.0*	*10.0*	*19.0*	*9.0*	*10.0*	*19.0*
20.1	26.5	46.6	16.8	33.6	50.4	*22.2*	*34.2*	*56.4*	*22.2*	*34.2*	*56.4*
8.0	26.9	34.9	8.8	29.1	37.9	*14.5*	*38.0*	*52.5*	*14.5*	*38.0*	*52.5*
1.3	3.8	5.1	1.3	3.9	5.2	*1.5*	*5.4*	*6.9*	*1.5*	*5.4*	*6.9*
1.8	0	1.8	1.8	0	1.8	*3.5*	*0*	*3.5*	*3.5*	*0*	*3.5*
2.1	3.5	5.6	2.5	3.5	6.0	*3.0*	*5.0*	*8.0*	*3.0*	*5.0*	*8.0*
12.2	0	12.2	12.3	0	12.3	*13.7*	*0*	*13.7*	*13.7*	*0*	*13.7*
1.7	0	1.7	1.7	0	1.7	*1.7*	*0*	*1.7*	*1.7*	*0*	*1.7*
1.0	0	1.0	1.0	0	1.0	*1.9*	*0*	*1.9*	*1.9*	*0*	*1.9*
2.1	0	2.1	2.2	0	2.2	*2.4*	*0*	*2.4*	*2.4*	*0*	*2.4*
51.8	**62.2**	**114.0**	**50.4**	**73.7**	**124.1**	***73.4***	***92.6***	***166.0***	***73.4***	***92.6***	***166.0***
104.6	**283.3**	**387.9**	**106.7**	**254.2**	**360.9**	***136.4***	***314.4***	***450.8***	***136.4***	***314.4***	***450.8***
87.0	**112.0**	**199.0**	**87.0**	**130.0**	**217.0**	***100.0***	***150.0***	***250.0***	***100.0***	***150.0***	***250.0***
2.7	1.0	3.7	2.7	1.1	3.8	*6.5*	*5.0*	*11.5*	*6.5*	*5.0*	*11.5*
46.9	95.0	141.9	49.8	86.3	136.1	*70.0*	*128.8*	*198.8*	*70.0*	*128.8*	*198.8*
0	40.0	40.0	0	39.3	39.3	*0*	*47.0*	*47.0*	*0*	*47.0*	*47.0*
13.8	0	13.8	13.9	0	13.9	*14.0*	*28.1*	*42.1*	*15.9*	*28.1*	*44.0*
3.2	0	3.2	3.2	0	3.2	*3.3*	*0*	*3.3*	*3.3*	*0*	*3.3*
2.5	119.5	122.0	2.8	117.1	119.9	*4.0*	*129.6*	*133.6*	*4.0*	*129.6*	*133.6*
0	19.0	19.0	0	19.0	19.0	*0*	*20.8*	*20.8*	*0*	*20.8*	*20.8*
69.1	**274.5**	**343.6**	**72.4**	**262.8**	**335.2**	***97.8***	***359.3***	***457.1***	***99.7***	***359.3***	***459.0***
7.0	4.7	11.7	7.0	4.7	11.7	*7.0*	*5.4*	*12.4*	*7.0*	*5.4*	*12.4*
3.0	5.5	8.5	3.0	5.5	8.5	*3.5*	*6.5*	*10.0*	*3.5*	*6.5*	*10.0*
10.0	**10.2**	**20.2**	**10.0**	**10.2**	**20.2**	***10.5***	***11.9***	***22.4***	***10.5***	***11.9***	***22.4***
1025.7	**2006.1**	**3031.8**	**1035.3**	**1948.5**	**2983.8**	***1221.3***	***2456.1***	***3677.4***	***1226.2***	***2459.1***	***3685.3***

TABLE 4:
WORLDWIDE RAYON VS. ACETATE FILAMENT YARN PRODUCTION & PRODUCING CAPACITY BY COUNTRY
THOUSAND METRIC TONS

	ACTUAL PRODUCTION								
	1982			1983			1984		
COUNTRY	H	R&C	A	H	R&C	A	H	R&C	A
WESTERN EUROPE									
AUSTRIA	9	5	0	8	4	0	10	5	0
BELGIUM/NETHERLANDS	15	16	6	18	17	7	18	16	7
FRANCE	0	9	0	0	8	0	0	7	0
GERMANY, FED. REP. OF [a]	40	21	+	39	20	0	40	21	0
ITALY [a]	9	3	19	9	2	18	11	2	18
SPAIN	4	4	3	3	4	3	+	4	3
UNITED KINGDOM	0	0	24	0	0	25	0	0	21
OTHER [b]	0	9	0	0	8	0	0	7	0
TOTAL WESTERN EUROPE	**77**	**67**	**52**	**77**	**63**	**53**	**79**	**62**	**49**
EASTERN EUROPE									
BULGARIA	0	4	0	0	4	0	0	4	0
CZECHOSLOVAKIA	8	12	0	8	12	0	8	12	0
GERMANY, DEM. REP.	13	21	0	14	22	0	14	22	0
POLAND	4	15	0	4	14	0	5	15	0
ROMANIA	5	3	0	5	3	0	5	3	0
USSR [a]	160	80	54	162	83	55	165	85	57
YUGOSLAVIA	6	7	0	7	7	0	7	7	0
TOTAL EASTERN EUROPE	**196**	**142**	**54**	**200**	**145**	**55**	**204**	**148**	**57**
U.S.A. [a]	**9**	**6**	**88**	**11**	**6**	**103**	**13**	**6**	**90**
OTHER AMERICAS									
ARGENTINA	0	0	2	0	0	2	0	0	2
BRAZIL	4	15	2	3	14	1	4	12	2
CANADA	0	0	10	0	0	10	0	0	10
CHILE	0	1	0	0	1	0	0	1	0
COLOMBIA	0	0	2	0	0	2	0	0	2
CUBA	2	+	0	2	+	0	2	0	0
MEXICO	3	5	6	3	2	6	2	3	6
PERU	0	0	1	0	0	1	0	0	2
URUGUAY	0	0	1	0	0	1	0	0	1
VENEZUELA	0	0	1	0	0	1	0	0	2
TOTAL OTHER AMERICAS	**9**	**21**	**25**	**8**	**17**	**24**	**8**	**16**	**27**
JAPAN [a]	**4**	**83**	**34**	**3**	**82**	**32**	**2**	**78**	**31**
CHINA, PRC	**0**	**80**	**0**	**0**	**85**	**0**	**0**	**87**	**0**
OTHER ASIA									
BANGLADESH	0	3	0	0	3	0	0	3	0
INDIA	11	36	2	10	35	1	8	33	1
KOREA, REP. OF	0	8	2	0	11	2	0	11	2
PAKISTAN	0	0	2	0	0	3	0	0	3
TAIWAN	0	3	0	0	3	0	0	3	0
TOTAL OTHER ASIA	**11**	**50**	**6**	**10**	**52**	**6**	**8**	**50**	**6**
OTHER M.E., A & O [c]	**0**	**9**	**0**	**0**	**8**	**0**	**0**	**8**	**0**
WORLD TOTAL	**306**	**458**	**259**	**309**	**458**	**273**	**314**	**455**	**260**

H	High tenacity (tire & industrial type) viscose rayon yarn.
R	Regular + intermediate tenacity viscose rayon yarn.
C	Cuprammonium rayon yarn.
A	Acetate + triacetate yarn.
a.	Produces both regular + intermediate rayon yarn and cuprammonium rayon yarn.
b.	Comprises Finland, Greece, Portugal, Switzerland and Turkey.
c.	Comprises Egypt and Iraq.

ACTUAL PRODUCTION						PRODUCING CAPACITY					
1985			1986			3/1987			12/1988		
H	R&C	A	H	R&C	A	H	R&C	A	H	R&C	A
10	5	0	DETAIL NO LONGER AVAILABLE			DETAIL NO LONGER AVAILABLE			DETAIL NO LONGER AVAILABLE		
18	17	7									
0	7	0									
40	24	0									
10	2	18									
+	4	3									
0	0	19									
0	8	0									
78	67	47	71	69	50	85	84	55	88	84	55
0	4	0	0	4	0	0	5	0	0	5	0
8	13	0	8	13	0	11	14	0	11	14	0
14	22	0	14	22	0	15	24	0	15	24	0
5	16	0	5	16	0	9	23	0	9	23	0
5	4	0	5	4	0	6	4	0	6	4	0
166	87	59	167	89	60	170	100	70	170	100	70
8	7	0	8	8	0	8	9	0	8	9	0
206	153	59	207	156	60	219	179	70	219	179	70
9	6	78	7	6	84	23	6	82	23	6	82
0	0	2	0	0	2	0	6	3	0	6	3
4	15	1	1	15	0	5	16	2	5	16	2
0	0	8	0	0	9	0	0	14	0	0	14
0	1	0	0	1	0	0	1	0	0	1	0
0	0	2	0	0	2	0	0	3	0	0	3
2	0	0	3	0	0	3	0	0	3	0	0
3	3	6	3	3	6	3	4	7	3	4	7
0	0	2	0	0	2	0	0	2	0	0	2
0	0	1	0	0	1	0	0	2	0	0	2
0	0	2	0	0	2	0	0	2	0	0	2
9	19	24	7	19	24	11	27	35	11	27	35
2	74	28	2	77	27	10	92	35	10	92	35
0	87	0	0	87	0	0	100	0	0	100	0
0	3	0	0	3	0	0	6	0	0	6	0
7	40	+	6	44	+	21	46	3	21	46	3
0	12	2	0	12	2	0	12	2	0	14	2
0	0	3	0	0	3	0	0	3	0	0	3
0	3	0	0	3	0	0	4	0	0	4	0
7	58	5	6	62	5	21	68	8	21	70	8
0	10	0	0	10	0	0	11	0	0	11	0
311	474	241	300	486	250	369	567	285	372	569	285

TABLE 5:
WORLDWIDE NONCELLULOSIC FIBER PRODUCTION & PRODUCING CAPACITY BY FIBER EXCEPT OLEFIN
THOUSAND METRIC TONS

FIBER & AREA	ACTUAL PRODUCTION								
	1982			1983			1984		
	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
ACRYLIC+MODACRYLIC									
WEST EUROPE	0	725	725	0	834	834	1	865	866
EAST EUROPE	0	213	213	0	222	222	0	232	232
U.S.A.	0	283	283	0	304	304	0	304	304
OTHER AMERICAS	0	121	121	0	130	130	0	140	140
JAPAN	3	344	347	2	355	357	2	367	369
CHINA, PRC	0	66	66	0	68	68	0	69	69
OTHER ASIA	0	286	286	0	293	293	0	313	313
MIDDLE EAST, AFRICA & OCEANIA	0	17	17	0	19	19	0	16	16
TOTAL	**3**	**2055**	**2058**	**2**	**2225**	**2227**	**3**	**2306**	**2309**
NYLON+ARAMID [a]									
WEST EUROPE	465	107	572	486	117	603	496	133	629
EAST EUROPE	457	82	539	485	87	572	512	93	605
U.S.A.	563	310	873	677	420	1097	715	379	1094
OTHER AMERICAS	182	21	203	180	22	202	209	22	231
JAPAN	264	19	283	271	18	289	288	19	307
CHINA, PRC	40	0	40	44	0	44	57	1	58
OTHER ASIA	296	3	299	307	3	310	343	3	346
MIDDLE EAST, AFRICA & OCEANIA	43	1	44	47	2	49	52	1	53
TOTAL	**2310**	**543**	**2853**	**2497**	**669**	**3166**	**2672**	**651**	**3323**
POLYESTER									
WEST EUROPE	393	428	821	387	454	841	435	487	922
EAST EUROPE	152	347	499	171	373	544	194	390	584
U.S.A.	550	887	1437	617	991	1608	544	994	1538
OTHER AMERICAS	186	158	344	202	189	391	225	222	447
JAPAN	314	314	628	310	320	630	327	320	647
CHINA, PRC	14	207	221	15	220	235	39	320	359
OTHER ASIA	488	582	1070	580	669	1249	693	764	1457
MIDDLE EAST, AFRICA & OCEANIA	34	52	86	42	60	102	46	74	120
TOTAL	**2131**	**2975**	**5106**	**2324**	**3276**	**5600**	**2503**	**3571**	**6074**
OTHER FIBERS EXCEPT OLEFIN [b]									
WEST EUROPE	6	9	15	6	9	15	6	9	15
EAST EUROPE	1	3	4	+	3	3	1	2	3
U.S.A.	8	+	8	+	+	+	+	+	+
OTHER AMERICAS	1	0	1	1	0	1	1	0	1
JAPAN	13	31	44	14	28	42	17	29	46
CHINA, PRC	7	50	57	7	55	62	7	70	77
OTHER ASIA	+	0	0	+	0	0	+	0	0
MIDDLE EAST, AFRICA & OCEANIA	0	0	0	0	0	0	0	0	0
TOTAL	**36**	**93**	**129**	**28**	**95**	**123**	**32**	**110**	**142**
TOTAL FIBERS ABOVE									
WEST EUROPE	864	1269	2133	879	1414	2293	938	1494	2432
EAST EUROPE	610	645	1255	656	685	1341	707	717	1424
U.S.A.	1121	1480	2601	1294	1715	3009	1259	1677	2936
OTHER AMERICAS	369	300	669	383	341	724	435	384	819
JAPAN	594	708	1302	597	721	1318	634	735	1369
CHINA, PRC	61	323	384	66	343	409	103	460	563
OTHER ASIA	784	871	1655	887	965	1852	1036	1080	2116
MIDDLE EAST, AFRICA & OCEANIA	77	70	147	89	81	170	98	91	189
WORLD TOTAL	**4480**	**5666**	**10146**	**4851**	**6265**	**11116**	**5210**	**6638**	**11848**

Y Yarn+monofilaments.
S Staple+tow+fiberfill.
+ Nominal quantities.
a. U.S.A. nylon producing capacity data do not include aramid.
b. Other fibers are alginate, azlon, spandex or elastomer, saran, TFE-fluorocarbon, vinal and vinyon. U.S.A. production data do not include spandex in 1983 through 1986.
c. Based on 1986 production and an average March 1986 and March 1987 producing capacity. Refer to June 1986 ***Organon*** for March 1986 producing capacity.

The regional totals here are the same as those on pages 108-111.

ACTUAL PRODUCTION						PRODUCING CAPACITY						% UTILIZATION [c]	
1985			1986			3/1987			12/1988				
Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S
1	925	926	1	934	935	1	1056	1057	1	1056	1057	100.0	89.9
0	261	261	0	289	289	0	362	362	0	382	382	0	82.1
0	286	286	0	279	279	0	293	293	0	298	298	0	97.0
0	135	135	0	142	142	0	200	200	0	203	203	0	71.4
2	380	382	3	394	397	6	425	431	6	425	431	50.0	92.7
0	73	73	0	75	75	0	120	120	0	120	120	0	63.8
0	321	321	0	330	330	0	425	425	0	437	437	0	63.9
0	22	22	0	23	23	0	28	28	0	28	28	0	82.1
3	**2403**	**2406**	**4**	**2466**	**2470**	**7**	**2909**	**2916**	**7**	**2949**	**2956**	**57.5**	**83.7**
526	144	670	523	144	667	658	193	851	660	193	853	80.5	75.1
537	95	632	546	100	646	648	113	761	651	113	764	84.9	90.1
687	375	1062	728	412	1140	840	500	1340	866	520	1386	87.6	84.7
224	16	240	233	17	250	352	43	395	361	43	404	66.3	40.0
291	24	315	260	19	279	330	29	359	330	29	359	79.1	65.5
70	1	71	70	1	71	90	5	95	90	5	95	77.8	20.0
366	4	370	385	4	389	544	6	550	564	6	570	69.5	48.8
55	2	57	56	2	58	110	3	113	110	3	113	52.6	86.9
2756	**661**	**3417**	**2801**	**699**	**3500**	**3572**	**892**	**4464**	**3632**	**912**	**4544**	**79.0**	**79.2**
454	486	940	446	501	947	568	601	1169	575	607	1182	78.7	83.4
217	455	672	246	480	726	354	657	1011	362	668	1030	72.8	74.5
599	917	1516	532	967	1499	619	1112	1731	613	1103	1716	81.1	80.8
228	223	451	241	235	476	338	301	639	337	301	638	69.5	79.8
329	323	652	322	310	632	437	356	793	437	356	793	73.5	87.1
73	443	516	80	525	605	106	650	756	106	650	756	83.3	87.5
833	862	1695	957	1016	1973	1304	1351	2655	1498	1495	2993	73.1	73.3
50	79	129	52	80	132	90	111	201	92	121	213	58.6	60.1
2783	**3788**	**6571**	**2876**	**4114**	**6990**	**3816**	**5139**	**8955**	**4020**	**5301**	**9321**	**75.1**	**79.8**
6	9	15	5	9	14	8	12	20	7	12	19	62.5	75.0
1	4	5	1	4	5	1	8	9	1	8	9	100.0	47.1
+	+	+	+	+	+	14	0	14	14	0	14	0	0
1	0	1	1	0	1	1	0	1	1	0	1	50.0	0
23	30	53	23	30	53	41	103	144	41	103	144	63.0	29.1
10	80	90	10	70	80	15	75	90	15	75	90	66.7	93.3
+	0	0	+	0	0	1	0	1	1	0	1	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
41	**123**	**164**	**40**	**113**	**153**	**81**	**198**	**279**	**80**	**198**	**278**	**51.4**	**58.1**
987	1564	2551	975	1588	2563	1235	1862	3097	1243	1868	3111	79.9	85.7
755	815	1570	793	873	1666	1003	1140	2143	1014	1171	2185	80.4	78.2
1286	1578	2864	1260	1658	2918	1473	1905	3378	1493	1921	3414	81.0	81.2
453	374	827	475	394	869	691	544	1235	699	547	1246	68.1	73.5
645	757	1402	608	753	1361	814	913	1727	814	913	1727	75.2	82.5
153	597	750	160	671	831	211	850	1061	211	850	1061	79.6	84.1
1199	1187	2386	1342	1350	2692	1849	1782	3631	2063	1938	4001	72.0	71.2
105	103	208	108	105	213	200	142	342	202	152	354	55.2	69.2
5583	**6975**	**12558**	**5721**	**7392**	**13113**	**7476**	**9138**	**16614**	**7739**	**9360**	**17099**	**74.7**	**79.4**

TABLE 6:
WORLDWIDE GLASS FIBER PRODUCTION & PRODUCING CAPACITY
THOUSAND METRIC TONS

	PRODUCTION					CAPACITY	
COUNTRY	1982	1983	1984	1985	1986	3/87	12/88
WEST EUROPE	250	290	300	320	364	*385*	*385*
EAST EUROPE[a]						*90*	*90*
U.S.A.	408	530	632	610	630	*792*	*822*
OTHER AMERICIAS	35	37	39	32	35	*45*	*45*
JAPAN	198	206	249	273	240	*300*	*300*
MIDDLE EAST, AFRICA & OCEANIA[b]	12	14	14	28	30	*40*	*40*
TOTAL ABOVE	**903**	**1077**	**1234**	**1263**	**1299**	***1652***	***1682***
CHINA P.R.C.	30	30	40	50	50	*70*	*70*
U.S.S.R.	65	65	75	85	100	*150*	*200*

Glass fiber is defined on page 122 of this issue. The glass fiber producing capacity, is based on March 1987 and December 1988 annual projections.

a. The data for East Europe do not include estimates for the U.S.S.R.

b. The Other Asia, Africa & Oceania countries are Australia, India and South Africa.

TABLE 7:
ESTIMATED WORLDWIDE CIGARETTE TOW PRODUCTION
THOUSAND METRIC TONS

AREA	1982	1983	1984	1985	1986
EUROPE[a]	81	80	80	83	104
U.S.A.	216	211	187	210	216
OTHER AMERICAS[b]					
ASIA[c]	42	43	47	44	42
WORLD TOTAL	**339**	**334**	**314**	**337**	**362**

a. Belgium,Germany, Fed. Rep., U.S.S.R. & United Kingdom.

b. Brazil, Canada, Colombia, Mexico & Venezuela.

c. Japan and Korea, Rep.of.

TABLE 8:
WORLDWIDE OLEFIN FIBER PRODUCTION
THOUSAND METRIC TONS

COUNTRY	1982	1983	1984	1985	1986
WEST EUROPE					
AUSTRIA	19	20	21	30	35
BENELUX	73	75	97	120	123
DENMARK	13	14	14	25	28
FINLAND	3	4	14	24	24
FRANCE	26	29	29	50	53
GREECE/CYPRUS	9	10	11	14	14
GERMANY, FED. REP.	55	61	81	113	117
IRELAND	8	9	9	9	9
ITALY	59	67	91	127	130
NORWAY	4	5	4	4	4
PORTUGAL	38	39	39	40	41
SPAIN	36	36	37	37	38
SWEDEN	3	4	4	6	7
SWITZERLAND	3	4	8	14	15
TURKEY	5	6	6	6	6
UNITED KINGDOM	76	80	80	90	95
TOTAL WEST EUROPE	**430**	**463**	**545**	**709**	**739**
EAST EUROPE					
CZECHOSLOVAKIA	11	12	12	12	12
HUNGARY	16	16	16	17	17
POLAND	12	15	16	16	17
U.S.S.R.	14	18	20	22	24
U.S.A.					
YARN+MONOFIL	134	168	175	192	213
STAPLE	63	86	113	137	152
FILM FIBER	131	149	154	233	263
OTHER AMERICAS					
ARGENTINA	11	12	12	13	13
BRAZIL	39	36	39	39	40
CANADA	28	32	30	32	33
CHILE	1	1	1	1	1
EL SALVADOR GUATEMALA HONDURAS	2	3	3	3	3
MEXICO	23	26	26	26	27
NICARAGUA	1	1	1	1	1
PERU	6	6	6	6	7
URUGUAY	1	2	2	2	2
JAPAN					
YARN+MONOFIL	14	14	14	14	11
STAPLE	28	29	32	35	37
FILM FIBER	NA	NA	NA	NA	NA
OTHER ASIA					
KOREA, REP. OF	2	1	1	1	0
PHILIPPINES	3	3	3	3	3
TAIWAN	56	60	63	71	77
MIDDLE EAST, AFRICA & OCEANIA					
AUSTRALIA	19	21	22	23	25
SOUTH AFRICA	3	5	5	5	5
OTHER	+	1	1	1	1

The olefin data shown include the "official" country data published by a government, an association or other statistical agency as well as an estimate of the olefin fiber, mainly slit and split film fiber, believed to have been produced in the country. For example: although U.S. olefin production data include yarn, monofil, staple, film fiber, and spunbonded polypropylene, published italian and Japanese olefin data show the production of yarn+monofilaments and staple+tow but no data on production of film fiber, such as that used in sacks, fishing nets, and carpet backing. Estimates were made in the latter example.

Due to the inconsistencies in olefin production reporting, we have made no attempt to show a worldwide total.

TABLE 9:
NUMBER OF MAN-MADE FIBER PRODUCING PLANTS (EXCEPT OLEFIN)

	CELLULOSIC		NONCELLULOSIC						
COUNTRY & REGION	ACETATE[a]	RAYON	ACRYLIC[b]	NYLON[c]	POLY-ESTER	OTHER[d]	TOTAL	TEXTILE GLASS	GRAND TOTAL
WESTERN EUROPE									
AUSTRIA		3			1	2	3		6
BELGIUM/LUXEMBOURG	1	1		3	1		4	2	8
FINLAND		1		1			1	1	3
FRANCE		3	1	7	3	1	12	2	17
GERMANY, FED. REP.	1	3	3	11	11	4	29	3	36
GREECE		1	1	2	3		6		7
IRELAND			1	1	2		4		4
ITALY/MALTA	2	2	4	17	8	3	32	2	38
NETHERLANDS		1		2	1	1	4	1	6
NORWAY							0	1	1
PORTUGAL		2	1	1	1		3	1	6
SPAIN	1	2	2	7	5		14	1	18
SWEDEN		1		1			1	1	3
SWITZERLAND				4	3		7		7
TURKEY		1	2	3	8		13	1	15
UNITED KINGDOM	3	1	2	5	5	5	17	5	26
TOTAL WESTERN EUROPE	**8**	**22**	**17**	**65**	**52**	**16**	**150**	**21**	**201**
EASTERN EUROPE									
BULGARIA		1	1	1	1		3		4
CZECHOSLOVAKIA		6		3	2		5	2	13
GERMANY, DEM. REP.		8	2	3	2	1	8	1	17
HUNGARY		1	1	1			2		3
POLAND		5	1	1	2	2	6	2	13
ROMANIA		2	1	1	2		4		6
YUGOSLAVIA		2	1	2	5		8	1	11
TOTAL EASTERN EUROPE	**0**	**25**	**7**	**12**	**14**	**3**	**36**	**6**	**67**
U.S.A.	**4**	**4**	**5**	**33**	**35**	**7**	**80**	**17**	**105**
OTHER AMERICAS									
ARGENTINA	1	1	1	7	5	1	14	1	17
BOLIVA					1		1		1
BRAZIL	1	4	2	19	12	1	34	1	40
CANADA	1	1		3	2	1	6	1	9
CHILE		1		2	3		5		6
COLOMBIA				2	3		5		5
COSTA RICA					1		1		1
CUBA		1					0		1
ECUADOR					3		3		3
GUATEMALA				1			1		1
MEXICO	1	1	4	7	8	2	21	1	24
PERU	1		1	4	4		9		10
URUGUAY	1			3	2		5		6
VENEZUELA	1			2	3	1	6		7
TOTAL OTHER AMERICAS	**7**	**9**	**8**	**50**	**47**	**6**	**111**	**4**	**131**
JAPAN	**2**	**13**	**6**	**10**	**19**	**14**	**49**	**14**	**78**
OTHER ASIA									
BANGLADESH		2		1			1		3
INDIA	1	11	3	12	15		30		42
INDONESIA		2		5	9		14		16
KOREA, REP. OF	1	1	2	5	10	1	18		20
MALAYSIA			2		3		5		5
PAKISTAN	1			3	9		12		13
PHILIPPINES				2	2		4		4
SRI LANKA				1			1		1
TAIWAN		2	3	13	15		31		33
THAILAND		1		3	4		7		8
TOTAL OTHER ASIA	**3**	**19**	**10**	**45**	**67**	**1**	**123**	**0**	**145**
MIDDLE EAST, AFRICA & OCEANIA									
AUSTRALIA				3	2	1	6	1	7
EGYPT		2		1	2		3		5
IRAN			1	2	1		4		4
IRAQ		1					0		1
ISRAEL			1	1			2		2
KENYA				1	5		6		6
NIGERIA					1		1		1
SOUTH AFRICA				1	4		5		5
TANZANIA					1		1		1
TOTAL MIDDLE EAST, AFRICA & OCEANIA	**0**	**3**	**2**	**9**	**16**	**1**	**28**	**1**	**32**
WORLD TOTAL*	**24**	**95**	**55**	**224**	**250**	**48**	**577**	**63**	**759**

Planned facilities indicated by an asterick (*) in our listing of worldwide producers are not included in the above table.

* Data for China, PRC, North Korea & U.S.S.R. are not included here.

[a] Acetate includes triacetate.

[b] Acrylic includes modacrylic.

[c] Nylon includes aramid.

[d] Includes 1 azlon, 5 biconstituent, 1 cuprammonium, 4 fluorocarbon, 1 PBI, 1 polychlal, 2 polyesteramide, 6 saran, 19 spandex or elastomer, 4 vinal and 4 vinyon plants, for a total of 48 plants producing these miscellaneous fibers.

1987 WORLDWIDE DIRECTORY OF MAN-MADE FIBER PRODUCERS

NOTES & DEFINITIONS

This directory of producers lists each country separately and divides them into the following categories:

(1) Cellulosic plus Noncellulosic fibers
(2) Olefin fiber
(3) Textile glass fiber

The locality shown represents a plant site.

The generic fiber names used in this survey are those established by the U.S. Federal Trade Commission (FTC). The *italicized* words are trademarks. All other fiber names are generic and appear in regular type.

● Indicates a company producing olefin fiber as well as other man-made fiber(s). For example, Brasil Viscose S.A. produces olefin fiber in Brazil as well as nylon and rayon. The nylon and rayon entries for this company are in one section and the olefin entry is shown in the Olefin fiber section.

• Indicates a new plant, in the planning stage or under construction, or a new facility for producing a new product at an existing plant. Such facilities are not expected to be operable until 1988 or later.

Yarn means filament yarn.
Monofil means an extruded monofilament and may be either a round or rectangular (ribbon) cross-section. Monofilaments for bristles are excluded.
Film includes **Slit**: tape produced by slitting an already attenuated wide sheet of olefin film; and **Split:** fibrillated slit film.
Not Included in this survey is the slit film used for decorative or tying ribbon and such.
Captive means that most or all of the fiber produced is consumed by the company in a vertical operation.

GENERIC NAMES & TRADEMARKS

The following are generic names, in bold type, and a brief description of the fibers covered by each name is shown in regular type.

GLASS FIBER

This fiber is made in two primary forms: continuous strand and staple sliver. Continuous strand is drawn fiber (i.e., from a textile-type bushing), while staple sliver, which is produced in relatively small amounts, is a blown fiber.

Glass fiber is produced and sold as filament yarn, strand, roving, mat, chopped strand, milled fiber and staple yarn & sliver. In addition, there are two primary uses for glass fiber: Textile, used by textile mills in conventional constructions (e.g., drapery and tire cord) or Non-Textile, used for nonconventional constructions (e.g., reinforced plastics and roofing shingles).

For additional information, see the definitions on page 256 of the November 1986 ***Organon***.

CELLULOSIC (ARTIFICIAL) FIBERS

Acetate: Cellulose acetate. Cigarette filtration tow is excluded.
Triacetate: Cellulose acetate, wherein not less than 92% of the hydroxyl groups are acetylated.
Rayon: Regenerated cellulose, including substitutions for not more than15% of the hydrogens of the hydroxyl groups. Includes high wet modulus fiber.
Cupra: Cuprammonium rayon.

The viscose rayon yarns are identified as **Ind** (industrial or high tenacity yarn) and **reg** (regular or textile yarn).

NONCELLULOSIC (SYNTHETIC) FIBERS

Acrylic: At least 85% acrylonitrile by weight.
Modacrylic: 35% to 84% acrylonitrile by weight, except when it qualifies as rubber.
Azlon: Regenerated natural protein.
Nylon: A long-chain synthetic polyamide in which less than 85% of the amide linkages are attached directly to two aromatic rings. The types are identified as 6, 66, etc. Where a company produces both type 6 and 66, the designation 6/66 is used.
Aramid: A long-chain synthetic polyamide in which at least 85% of the amide linkages are attached directly to two aromatic rings. In this survey, any aramid data are included with nylon.
Olefin: At least 85% ethylene, propylene or other olefin units by weight, except amorphous (noncrystalline) polyolefins qualifying as rubber. **E** means Polyethylene and **P** means Polypropylene. Also see adjoining notes on olefin fiber.
Polyester: At least 85% by weight of an ester of a substituted aromatic carboxylic acid, including but not restricted to substituted terephthalate units, and parasubstituted hydroxybenzoate units.
Saran: At least 80% vinylidene chloride by weight.
Spandex: At least 85% of segmented polyurethane.
Vinal: At least 50% by weight vinyl alcohol and wherein the vinyl alcohol plus acetal units are at least 85% by weight.
Vinyon: At least 85% vinyl chloride by weight.

Other man-made fibers included in this survey, but not listed by the FTC, are **Polycarbonate** (U.S.A.), **Polychlal** (Japan), **Promix** (Japan) and **TFE-&FEP-fluorocarbon** (Fluoro)(Japan, U.S.A. & U.S.S.R.).

Not covered in this survey are fibers which would fall under the FTC's generic designations of rubber, lastrile, metallic and novoloid. Fibers falling under the FTC designations of anidex and nytril are no longer produced.

Carbon fibers are not included in this survey.

International Standard #2076, "Generic Names of Man-Made Fibres," as established by the International Organization for Standardization, lists some 23 names, of which the following are similar to the FTC designations: cupro, viscose, acetate, triacetate, acrylic, modacrylic, nylon or polyamide, polyester and glass. The IOS also lists modal (regenerated cellulose obtained by processes giving a high tenacity and a high wet modulus), alginate (metallic salts of alginic acid), chlorofibre (similar to the FTC's saran and vinyon), elastane (similar to the FTC's spandex), elastodiene, fluorofibre, polycarbamide, polyethylene & polypropylene (similar to the FTC's olefin), polyurethane, trivinyl and vinylal (similar to the FTC's vinal).

ALBANIA

(Producer not yet known)

Acrylic	(staple)
Polyester	(yarn & staple*)

ARGENTINA

COAFI S.A.

Polyester	Buenos Aires (yarn)

DUCILO S.A.I.C.

Nylon 66	Berazategui & Mercedes *Nylon Ducilo* (yarn)
Spandex	Mercedes (fused multifil or coalesced monofil)

HISISA ARGENTINA S.A.I.C.I.F.

Acrylic	Baradero *Cashmilon* (staple)

MANUFACTURAS DE FIBRAS SYNTETICAS (formerly Petroquimica Sudamericana)

Nylon 6	Olmos - Lapi (yarn)
Polyester	Olmos - Lapi (yarn & staple)

MITEXTIL S.A.

Nylon 6	Buenos Aires (yarn)

M. NAHMIAS S.A.C.I.

Polyester	Buenos Aires (yarn)

NICIEZA y TAVERNA HNOS. S.A.

Nylon 6	Chivilcoy *Grilon* (monofil)

RHODIA ARGENTINA QUIMICA e TEXTIL

Acetate	Quilmes (yarn)
Polyester	Quilmes *Tergal* (yarn)

SOCIEDAD NUEVAS INDUSTRIAS ARGENTINAS FIBRAS ARTIFICIALES S.A.I.C.F.I. (SNIAFA)

Nylon 6	Hernández-La Plata *Snialon* (yarn)
Rayon	Plátanos (reg yarn & staple)

SUDAMTEX S.A. TEXTIL SUDAMERICANA

Polyester	Azul *Acrocel* (staple)

VALENCIANA ARGENTINA S.A.

Nylon 6	Buenos Aires (yarn)

OLEFIN FIBER

AGAPOL S.A. (P yarn)

MANUFACTURA FORTI ARGENTINA S.A.C.I.A.F.I. Buenos Aires (P yarn & staple)

PANAMERICA DE PLASTICOS S.A.I.C. Olivos (P staple)

PETROQUIMICA Cuyo, Mondoza (P yarn)

TEXTILYUTE S.A.I.C. Isidro Casanova (P film)

VINISA S.A.I.C. Buenos Aires *Rafistal, Strofil* (E & P monofil)

ARGENTINA (continued)

GLASS FIBER

VIDRIERIA ARGENTINA S.A. (VASA) Llavallol *Texover*

AUSTRALIA

FIBREMAKERS LTD.

Biconstituent	Mulgrave, Victoria *Front Runner* (melded fabric)
Nylon 66	Bayswater, Victoria *Bri-Nylon* (yarn & monofil), Penrith, N.S.W. (tire cord)
Polyester	Bayswater *Terylene* (yarn, staple & tow)

UNITED CARPET MILLS PTY. LTD.

Nylon 6	Thomastown, Victoria *Unilon* (yarn)
Polyester	Thomastown (yarn)

In addition to the above, VILENE AUSTRALIA reportedly produces spunbonded products at Minto, N.S.W.; these are believed to be principally based on cellulocic fiber, but some polypropylene may be used.

OLEFIN FIBER

AMOCO FABRICS & FIBERS COMPANY, PATCHOGUE PLYMOUTH DIVISION Liverpool, N.S.W. *Poly Bac, Propex* (P film)

SARLON INDUSTRIES PTY. LTD Punchbowl, N.S.W. (E & P monofil & film)

OLEFIN FILM FIBER, only

A. ABRAHAMS & SONS PTY. LTD. Clayton, Victoria (*Koala, Polytex*)

CORDEX INDUSTRIES PTY. LTD. Gladesville, N.S.W.

GEO. KINNEAR & SONS PTY. LTD. Footscray, Victoria (*Emu*)

H. J. PENNO Adelaide, South Australia

TAPEX PTY. LTD. Sydney, N.S.W.

GLASS FIBER

ACI FIBREGLASS, A Unit of ACI Australia, Ltd. Dandenong, Victoria

AUSTRIA

AUSTRIA FASERWERKE G.m.b.H.

Polyester	Lenzing *Trevira* (staple)

CHEMIEFASER LENZING A.G.*

Fluoro	Lenzing (yarn & staple)
Rayon	Lenzing (staple)

AUSTRIA (continued)

GLANZSTOFF AUSTRIA G.m.b.H. (formely Enka-Austria)

Rayon	St. Pölten (ind & reg yarn)

LENZING A.G. •

Rayon	Lenzing *Lenzing Viscose* Lenzing *Modal* (staple)
Fluoro	Lenzing *Lenzing PTFE* (yarn & staple)
Polyimid*	Lenzing *P84* (yarn & staple)

OLEFIN FIBER

CHEMIE LINZ A.G. Linz *Asota, Linz-PP-Multifil, Linz-PP-Vlies* (P yarn, staple & spunbonded)

LENZING A.G. Lenzing, M. Teufelberger, Wels (P yarn)

OLEFIN FILM FIBER, only

CHEMIEFASER LENZING A.G. Lenzing

M. TEUFELBERGER Wels

SEUTTER Unter Eggendorf

BANGLADESH

ASHUGANJ PETROCHEMICAL COMPLEX

Acrylic	Ashuganj* (staple)

BANGLADESH CHEMICAL INDUSTRIES

Rayon	(staple)

KARNAPHULI RAYON AND CHEMICALS LIMITED

Rayon	Chandraghona, Chittagong (reg yarn & staple*)

PYLON INDUSTRIES LIMITED

Nylon 6	Fouzdarhat Industrial Estate, Chittagong *Pylon* (yarn)

BELGIUM

BAYER ANTWERPEN N.V.

Nylon 6	Antwerpen *Dorix* (staple)

BEAULIEU-NYLON S.A. •

Nylon 6	Kruishoutem, East Flanders (yarn & staple)

CELANESE S.A.

Acetate	Lanaken, Limburg (yarn)
Triacetate	Lanaken (yarn)

FABELTA NINOVE N.V.

Rayon	Ninove, East Flanders (reg yarn)

FABELTA ZWIJNAARDE S.A.

Nylon 66	Zwijnaarde, East Flanders *Fabelnyl* (yarn)

BELGIUM (continued)

OLEFIN FIBER

DELOTEX (P staple)

N.V. FIBRILO Zele, East Flanders (P staple & film)

S.A. LA LOKEROISE Lokeren, East Flanders *Alpha Carpet, Delta Carpet* (P yarn & staple)

OSTEND STORES & ROPEWORKS S.A. Ostend, West Flanders

POLYFIL N.V. (Subsidiary of Beaulieu) Wielsbeke (P yarn)

T.T.C. POLYOLEFINS S.A. Overpelt, Limburg (P monofil)

OLEFIN FILM FIBER, only

N.V. JONCKVANSTEEN, Passendale

S.A. PHORMIUM, Zele, East Flanders

POLYTEXCO S.P.R.L., Beveren, Kortryk

S.A. U.C.O., Ledeberg, Gent

GLASS FIBER

N.V. BAYER S.A., Antwerpen

OWENS-CORNING FIBERGLAS EUROPE S.A. Battice, Liége *Fiberglas*

Cellulosic production and capacity data are combined with the Netherlands on page 112 - 113. Noncellulosic production and capacity data are combined with the Netherlands and Luxembourg under "Benelux" on page 108 - 109.

BOLIVIA

TEXTURBOL TEXTURIZADORA BOLIVIANA

Polyester	La Paz (yarn)

BRAZIL

ARTEPESCA - S.A. ARTIGOS DE PESCA DO NORDESTE •

Nylon 6	Igarassu, Pernambuco (monofil)

BANYLSA TECELAGEM DO BRASIL S.A.

Nylon 6	Aratú, Bahia (yarn)
Polyester	Aratú *Fio Banylsa Poliester* (yarn)

BRASIL VISCOSE S.A. •

Nylon 6	Jundiapeba, São Paulo *Giorgilon* (staple)
Rayon	Jundiapeba (staple)

CELBRAS INDÚSTRIAS QÚIMICAS E TÊXTEIS S/A

Polyester	Pocos de Caldas, Minas Gerais *Fortrel* (staple)

BRAZIL (continued)

CIA. BRASILEIRA DE SINTÉTICOS

Nylon 6	Osasco (yarn)
Polyester	Osasco *Trevira* (yarn)

CIA. NITRO QÚIMICA BRASILEIRA

Rayon	São Miguel Paulista, São Paulo (reg yarn)

COBAFI - CIA. BAHIANA DE FIBRAS

Nylon 6	Camaçari, Bahia (yarn)
Polyester	Camaçari (yarn)

DE MILLUS S.A. INDUSTRIA E COMÉRCIO

Nylon 6	Rio de Janeiro *Demilon* (yarn)

DU PONT S.A. INDÚSTRIAS QÚIMICAS

Spandex	Paulinia, São Paulo *Lycra* (fused multifil)

EQUIPESCA - EQUIPAMENTOS DE PESCA S.A.

Nylon 6	Campinas, São Paulo (monofil)

FIBRA S.A.

Nylon 6	Americana & Osasco, São Paulo *Lilion* (yarn)
Polyester	São Paulo (yarn)
Rayon	Americana (reg yarn & staple)

FISIBA - FÍBRAS SINTÉTICAS DA BAHIA S.A.

Acrylic	Camaçari, Bahia *Triana* (staple)

INDUSTRIAS MATARAZZO DE FIBRAS SINTÉTICAS S.A.

Nylon 6	São José dos Campos, São Paulo (yarn)

MANAP - MANUFATURA NACIONAL DE PLÁSTICOS •

Nylon 6	Osasco, São Paulo *Caicara* (monofil)

MARCATTO S.A. IND. E COM. •

Nylon 6	Jaraguá do Sul, Santa Catarina (monofil)

MAZZAFERRO POLIMEROS E FIBRAS SINTÉTICAS LTDA.

Nylon 6	São Bernardo do Campo, São Paulo *Grilon, Trilon* (yarn & monofil)
Polyester	São Bernardo do Campo, São Paulo (monofil)

MONOFIL - CIA. INDUSTRIAL DE MONOFILAMENTOS •

Nylon 6	São Paulo, São Paulo (monofil)

NOVELSPUMA - ESPUMA DE NYLON S.A.

Nylon 6	São Paulo, São Paulo (yarn)

POLYENKA S.A.

Polyester	Americana, São Paulo *Diolen* (yarn)

POLYNOR S.A. INDÚSTRIA E COMÉRCIO DE FIBRAS SINTETICAS DA PARAÍBA

Polyester	João Pessoa, Paraiba *Amilon, Polynor* (yarn & staple)

RHODIA S.A.

Acetate	Santo André, São Paulo (yarn)
Acrylic	São José dos Campos, São Paulo *Crylor* (staple)

BRAZIL (continued)

RHODIA S.A. (continued)

Nylon 66	Santo André *Dropnyl, Rhodianyl* (yarn & staple)
	São Bernardo do Campo, São Paulo *Celtral BCF* (yarn)
Polyester	Santo André *Dropgal-Tergal, Tergal* (yarn & staple)
	São José dos Campos *Bidim* (spunbonded)
	São Bernardo do Campo *Fortrel* (yarn)
Rayon	São José dos Campos (ind yarn & staple)

RHODIA NORDESTE S.A.

Polyester	Cabo, Pernambuco *Dropgal, Tergal* (yarn & staple)

SEARA IND. TÉXTIL LTDA. •

Nylon 6	Londrina, Paraná (monofil)

SPUMAR S.A. INDÚSTRIA E COMÉRCIO •

Nylon 6	São Paulo (yarn)

OLEFIN FIBER

ARTEPESCA - S.A. ARTIGOS DE PESCA DO NORDESTE
Igarassu, Pernambuco (E & P monofil)

BRASIL VISCOSE S.A. Jundiapeba, São Paulo (P staple)

ETRÚRIA S.A. INDÚSTRIA DE FIBRAS E FIOS SINTÉTICOS
Mairinque, São Paulo (P staple)

FADEMAC - FABRICA DE MATERIAIS DE CONSTR. S.A.
Jacarei, São Paulo (P staple)

FITESA - FIÁÇAO TÉXTIL DE EMBALAGENS PLÁSTICAS S.A.
Guaiba, Rio Grande do Sul (P staple) & Porto Alegre, Rio Grande do Sul (P film)

INYLBRA S.A. TAPETES E VELUDOS Diadema, São Paulo (P staple)

MANAP - MANUFATURA NACIONAL DE PLÁSTICOS
Osasco, São Paulo (P monofil)

MARCATTO S.A. IND. E COM. Jaragua do Sul, Santa Catarina (E & P monofil)

MONOFIL - CIA. INDUSTRIAL DE MONOFILAMENTOS
São Paulo, São Paulo (P monofil)

SEARA IND. TÉXTIL LTDA. Londrina, Paraná (E & P monofil)

SPUMAR S.A. INDÚSTRIA E COMÉRCIO São Paulo, *Fibrilene, Polylene, Polyplan, Prolene* (P yarn, staple & film)

TAPETELENE - INDÚSTRIA S.A. Pajucara/Maramguape, Ceará (P staple)

TINTORIA S.A. - BENEFICIAMENTO DE FIO (P yarn)

BRAZIL (continued)

OLEFIN FILM FIBER, only

BRASMEN TOL CACAPAVA S.A., Cacapava, São Paulo

CACIQUE DE EMBALAGENS S.A. INDÚSTRIA E COMÉRCIO, Londrina, Paraná

C.A.T.A. - CIA. AMAZONIA TÉXTIL DE ANIAGEM S.A., Belém, Pará

CIA. FAB. YOLANDA S.A., Recife, Pernambuco

CIA. JAUENSE INDUSTRIAL, Jau, São Paulo

CIA. UNIÁO MANUFATORA DE TECIDOS, Rio de Janeiro

DICOPLAST S.A. INDÚSTRIA E COMÉRCIO DE PLASTICOS, Presidente Prudente, São Paulo

EMPLA - EMBALAGENS PLÁSTICAS S.A., Rio de Janeiro

FIBRASA IND. E COM. DE FIOS E EMBALAGENS S.A., Espirito Santo

FIBROTEX TECELAGEM DE FIBRAS S.A., São Paulo

IMPLASA - INDÚSTRIA DE PLÁSTICOS ZANIOLO S.A., São José dos Pinhais, Paraná

INDÚSTRIA TÉXTIL TSUZUKI LTDA., Suzano, São Paulo

IPLAC DO BRASIL S.A. PLÁSTICOS, Fortaleza, Ceará

NOVOPLAST IND. E COM. DE PLÁSTICOS, Nova Odessa, São Paulo

PLABASA - PLÁSTICOS DA BÁHIA S.A., Salvador, Bahiá

PLASMINAS - PLÁSTICOS MINAS LTDA., Tres Pontas, Minas Gerais

PLÁSTICOS DO PARANÁ LTDA., Londrina, Paraná

PLÁSTICOS LINIL S.A., Recife, Pernambuco

PLÁSTICOS INDÚSTRIA DE EMBALAGENS LTDA., Campinas, São Paulo

QUALITAS IND. E COM. LTDA., São Paulo

SACOPLAST/PLANOSA - PLÁSTICOS DO NORDESTE S.A., Natal, Rio Grande do Norte

GLASS FIBER

OCFIBRAS Rio Claro, São Paulo *Fiberglas*

BULGARIA

KOMBINAT "DIMITAR DIMOV" •

Acrylic	Burgas *Bulana* (staple)
Nylon 6	Vidin *Vidlon* (yarn)
Polyester	Yambol *Yambolen* (yarn, staple & tow)

KOMBINAT "SVILOSA"

Rayon	Svishtov (reg yarn & staple)

OLEFIN FIBER

KOMABINAT "DIMITAR DIMOV" Yambol (P staple)

CANADA

BASF FIBRES INC.

Nylon 6	Arnprior, Ontario *Zefran* (yarn & staple)

CELANESE CANADA INC.

Acetate	Drummondville, Quebec (yarn)
Polyester	Millhaven, Ontario *Fortel* (yarn, staple, tow & fiberfill)

COURTAULDS (CANADA) LIMITED

Rayon	Cornwall, Ontario (staple)

DU PONT CANADA INC. •

Nylon 66	Kingston, Ontario *Antron, Cantrece, Du Pont* (yarn, staple & tow)
Polyester	Kingston *Dacron* (yarn)
Spandex	Maitland *Lycra* (fused multifil)

FIRESTONE TEXTILES CO.-A DIVISION OF FIRESTONE CANADA LTD.-LTEE

Nylon 6	Woodstock, Ontario (yarn & monofil)

OLEFIN FIBER

AMOCO FABRICS & FIBERS CO. Brantford & Hawkesbury, Ontario, St. Jean, Quebec *Protel* (P yarn, staple, E & P monofil & P film)

CALKO MILLS LTD. Rivière du Loup, Quebec (P monofil)

CANADA WESTERN CORDAGE CO., LTD. New Westminster, B.C. (P monofil)

DOON TWINES LTD. Kitchener, Ontario (P yarn, monofil & staple)

DU PONT CANADA INC. North Bay, Ontario (P film)

GUELPH TWINES LTD. Guelph, Ontario (P monofil & film)

NOVASTRAND St. John, New Brunswick (P monofil)

POLI-TWINE CORP. LTD. Belleville, Ontario & Saskatoon, Saskatchewan *Polytie, PolyTwine, Spiralok* (P monofil)

SCHLEGEL COMPANY CANADA Oakville (P monofil)

CANADA (continued)

STRUDEX FIBRES LTD., DIVISION OF KRAUS CARPET MILLS LTD. Waterloo (P yarn & staple - captive)

OLEFIN FILM FIBER, only

FIBERWORLD, LTD. Hawkesbury, Ontario

POLYMER INTERNATIONAL (N.S.) LTD. Truro, N.S.

GLASS FIBER

FIBERGLAS CANADA LIMITED Guelph, Ontario *Fiberglas*

CHILE

GOODYEAR DE CHILE, S.A.I.C.

Nylon 6	Maipú, Santiago (yarn & monofil)

INDUSTRIAS QUIMICAS GENERALES S.A.

Rayon	Quillota, Valparaiso (ind yarn & staple)

LANERA AUSTRAL S.A.

Polyester	Santiago (yarn, staple & tops)

MANUFACTURAS SUMAR S.A.

Nylon 6	El Pinar 172, Santiago *Crilobal* (yarn)
Polyester	El Pinar 172 *Poligal* (yarn & staple)

QUIMICA INDUSTRIAL S.A.

Polyester	Maipú, Santiago *Polycron* (staple & tops)

CHINA, PEOPLE'S REPUBLIC OF

Although reliable information on locations of man-made fiber plants in the People's Republic of China is not available, every effort has been made to make the following listing as complete as possible.

RAYON and/or ACETATE PLANTS reported at:
Amoy, Antung, Canton, Foshan, Kirin, Nanchang, Nanking, Paoting and Shanghai.
NYLON PLANTS reported at:
Beijing; Hsinhsiang, Paoting Province; Jinzhou; Liaoyang; Pingdings; Shanghai; Shanyi; Sian; Sichuan; Sining; Tianjin and Zhenjiang.
POLYESTER PLANTS reported at:
Beijing; Changzhou, Jiangsu Province; Fangshen, Beijing Province; Guangzhou, Canton Province; Hangchow; Heilongjiang; Jinshan, Shanghai Province; Liaoyang; Nantong; Nanjing, Jiangsu Province; Shanghai; Sichuan; Taiyuan; Tianjin; Tientsin; Xiamen, Funjion Province; Xinhu; Yizheng and Zhenjiang.
ACRYLIC PLANTS reported at:
Chenchiang, Harbin Province; Daquing; Lanzhou; Luda and Shanghai
NONCELLULOSIC PLANTS reported at:
Beijing (vinal); Canton (vinyon); Chunking (vinyon); Foochow (vinyon); Lanzhou (olefin & vinal); Shanghai (vinyon); Shengli (vinyon) and Tientsin (vinyon).

The following three plants have been reported as producing glass fiber: Shanghai Glass Fiber Plant, Shanghai Tungfanghung Glass Fiber Plant and Tientsin Glass Fiber Plant.

COLOMBIA

COLTEFIBRAS S.A.

Polyester	Igatui, Antioquia* (yarn & staple)

ENKA DE COLOMBIA S.A.

Nylon 6	Girardota, Antioquia *Enkalon* (yarn)
Polyester	Girardota *Terlenka* (yarn & staple)

FABRICA DE HILAZAS VANYLON S.A.

Nylon 6	Barranquilla, Atlántico *Vanylon* (yarn & monofil)

POLIMEROS COLOMBIANOS S.A.

Polyester	Medellin, Antioquia *Primel* (yarn, staple, tow & tops)

ZYLETTE (LAFAYETTE)

Polyester	Bogotá (yarn)

OLEFIN FILM FIBER, only

COMPANIA NACIONAL DE EMPAQUES S.A. Medellin

PLASTICOS DE MAGDELENA LTDA. Santa Marta

POLYMER DE COLOMBIA S.A. Cartagena

COSTA RICA

OLYMPIC FIBERS, S.A.

Polyester	San Antonio de Belén (yarn)

CUBA

INDUSTRIAS CONSOLIDADAS DE MATANZAS, S.A.

Rayon	Matanzas (ind & reg yarn & staple)

CYPRUS

OLEFIN FIBER

LORDOS POLYSAC (LIMASSOL) LIMITED Limassol (P film)

CZECHOSLOVAKIA

CHEMICKÉ ZÁVODY JURAJA DIMITROVA, N.P.*
(GEORGE DIMITROV CHEMICAL WORKS, NATIONAL CORP.)

Rayon	Bratislava, Slovakia (reg yarn & staple)

CHEMLON, N.P. (CHEMLON, NATIONAL CORPORATION)

Nylon 6	Humenné, Slovakia *Chemlon* (yarn)

CHEMOPETROL

Rayon	Meratovice (yarn)

CZECHOSLOVAKIA (continued)

CHEMOSVIT, N.P. (CHEMOSVIT, NATIONAL CORPORATION) •

Nylon 6	Svit, Slovakia *Svitontex* (yarn & staple)
Rayon	Svit (reg yarn)

SEVEROCESKÉ CHEMICKÉ ZÁVODY, N.P. (NORTH BOHEMIAN CHEMICAL WORKS, NATIONAL CORP.)

Rayon	Lovosice, Bohemia (ind yarn)

SILON, N.P. (SILON, NATIONAL CORPORATION)

Nylon 6	Planá nad Luznići, Bohemia *Silon* (yarn & monofil)
Polyester	Planá nad Luzniči *Tesil, Tevyro, Velana* (staple, tow & fiberfill)

SLOVENSKÝ HODVÁB, N.P. (SLOVAKIAN FILAMENT YARN, NATIONAL CORPORATION)

Polyester	Senica nad Myjavou, Slovakia *Slotera* (yarn)
Rayon	Senica nad Myjavou (reg yarn)

SPOLANA, N.P. (SPOLANA, NATIONAL CORPORATION)

Rayon	Neratovice, Bohemia (staple)

OLEFIN FIBER

CHEMICKÉ ZÁVODY JURAJA DIMITROVA, N.P. Bratislava *Istrona, Labren, Nobelex* (P yarn & staple)

CHEMOSVIT,N.P. Svit *Prolen, Texizol* (P yarn & spunbonded)

JUTA, N.P. Úpice, Bohemia (P spunbonded)

OLEFIN FILM FIBER, only

JUTA, N.P. Adamov, Moravia and Bernartice u Trutnova, Dvur Králové, Jilemnice & Úpice, Bohemia

POVAZSKÉ CHEMICKÉ ZÁVODY, N.P. Zilina, Slovakia

TECHNOLEN, N.P. Lomnice nad Popelkou, Bohemia

GLASS FIBER

SKLOPLAST, N.P. (SKLOPLAST, NATIONAL CORPORATION) Trnava, Slovakia (yarn, chopped strand & mat)

VERTEX, N.P. (VERTEX, NATIONAL CORPORATION) Litomysl, Bohemia (yarn, roving, mat & staple yarn)

DENMARK

OLEFIN FIBER

A/S FIBERTEX Aalborg (P staple)

ESBJERG TOVVAERKSFABRIK A/S Esbjerg *Westflex* (E & P monofil & film; P staple)

DENMARK (continued)

JACOB HOLM VARDE A/S Varde *Danaklon, IHS* (E & P staple & film), *Krenit* (P reinforcing fiber)

OLEFIN FILM FIBER, only

R.F.W. PLAST-INDUSTRI A/S Vejle

ROBLON A/S Frederikshavn

EQUADOR

ECUATORIANA DE TEJIDOS DE PUNTA

Polyester	Punta (yarn)

ENKADOR S.A.

Polyester	Sangolqui, Pichincha (yarn)

FIBRATEX S.A.

Polyester	Guayaquil, Guayas (yarn)

EGYPT

ESTABLISSEMENTS INDUSTRIELS POUR LA SOIE ET LE COTON S.A.A. (E.S.C.O.)

Rayon	Cairo (reg yarn)

MISR AL-AMIRIYA INDUSTRIAL FIBRE CO.

Polyester	Amiriya (yarn* & staple)

SOCIETE MISR POUR LA RAYONNE S.A.A. (MISR RAYON CO.)

Nylon 6	Kafr-el-Dawar *Mismylon* (yarn), *Mismylon* (staple)
Polyester	Kafr-el-Dawar *Polymisr* (yarn)
Rayon	Kafr-el-Dawar (reg yarn & staple)

EL SALVADOR

OLEFIN FIBER

FILAMENTOS Y PERFILES, S.A. (FILPERSA) San Salvador *Duraplen* (E & P monofil)

SALVAPLASTIC, S.A. San Salvador (P monofil

FINLAND

FINEFIBRE OY

Nylon 66	Tornio (yarn)

KEMIRA OY SÄTERI

Rayon	Valkeakoski (staple)

OLEFIN FILM FIBER, only

MANILLA OY Turku

FINLAND (continued)

PIIPPO OY Lempäälä

GLASS FIBER

A. AHLSTROM OY GLASSFIBRE Karhula *Kuitulasi* (roving & mat)

FRANCE

CELLATEX (a subsidiary of Rhône-Poulenc-Textile)

Rayon	Givet, Ardennes; Grenoble, Isère (reg yarn)

COURTAULDS S.A.

Acrylic	Pont du Leu, Coquelles, Pas-de-Calais *Courtelle* (staple)
Rayon	Pont du Leu (staple)

NYSAM S.A.

Nylon 6	St. Quentin, Aisne *Lilion* (yarn)

RHÔNE-POULENC-FIBRES (a subsidiary of Rhône-Poulenc-Textile)

Nylon 66	Albi, Tarn; St. Laurent-Blangy, Pas-de-Calais, St. Quentin, Aisne & Valance, Drôme *Nylfrance* (yarn & staple)
Polyester	Gauchy, Aisne & Valence *Bidim* (spunbonded), *Tergal* (yarn & staple)

RHOVYL (a subsidiary of Rhône-Poulenc-Textile)

Vinyon	Tronville-en-Barrois, Meuse *Clévyl, Rhovyl, Thermovyl* (yarn & staple)

SOCIETE CHOMARAT

Nylon 6	Mariac (yarn - captive)

OLEFIN FIBER

PLASTIQUE DE ROUBAIX Roubaix (P film & staple)

SODOCA FABRICATION DE NONTISSES SYNTHETIQUES S.A.R.L. Neuf Brisach, Haut-Rhin (P spunbonded)

OLEFIN FILM FIBER, only

ETS. AMMANN & CIE. Saint-Louis

ETS. BATAILLE Rosendael

BIHR FRERES S.A. Xertigny

BOUSSAC SAINT FRERES S.A. Flixecourt

SEINE & LYS Paris

GLASS FIBER

OWENS-CORNING FIBERGLAS FRANCE S.A. L'Ardoise, Gard *Fiberglas*

VETROTEX SAINT-GOBAIN Chambéry, Savoie-Fils et Fibres de Renforcement *Vetrotex*

GERMAN DEMOCRATIC REPUBLIC
DEUTSCHE DEMOKRATISCHE REPUBLIK (EASTERN)

(Those facilities indicated by # are part of the trust VEB Chemiefaserkombinat Schwarza "Wilheim Pieck".)

CHEMIEFASERWERK "FRIEDRICH ENGELS" #

Acrylic	Premnitz, Krs. Rathenow *Wolpryla* (staple)

CHEMIEFASERWERK "FRIEDRICH ENGELS" # (continued)

Nylon 6	Premnitz *Dederon* (staple)
Polyester	Premnitz *Grisuten* (staple)
Rayon	Premnitz (reg yarn)

CHEMIEFASERWERK "WILHELM-PIECK-STADT" GUBEN #

Nylon 6	Guben *Dederon* (yarn & monofil)
Polyester	Guben *Grisuten* (yarn)

KUNSTSEIDENWERK "CLARA ZETKIN, ELSTERBERG" #

Rayon	Elsterberg, Krs. Greiz (reg yarn)

SACHSISCHES KUNSTSEIDENWERK "SIEGFRIED RADEL" #

Polyester	Pirna* (yarn)
Rayon	Pirna (ind, reg & cupra yarn)

SACHSISCHE ZELLWOLLE #

Rayon	Plauen (staple)

SPINNSTOFFWERK "OTTO BUCHWITZ" #

Rayon	Glauchau (staple)

VEB CHEMIEFASERKOMBINAT SCHWARZA "WILHELM PIECK"

Nylon 6	Schwarza, Krs. Rudolstadt *Dederon* (yarn)
Rayon	Schwarza (staple)

VEB FILMFABRIK FOTOCHEMISCHES KOMBINAT

Acrylic	Wolfen, Krs. Bitterfeld *Wolpryla* (staple)
Rayon	Wolfen (ind yarn & staple)
Vinyon	Wolfen *Piviacid* (staple)

ZELLSTOFF-UND ZELLWOLLWERKE WITTENBERGE #

Rayon	Wittenberge (staple)

GLASS FIBER

VEB GLASSEIDENWERK *Oschatz Glasseidengewebe, Glasseiden-Roving, Glasseiden-Stapelbindermatten, Glasseiden-Twist, Glasseiden-Zwirn, Roving-Gewebe*

GERMANY, FEDERAL REPUBLIC OF
BUNDESREPUBLIK DEUTSCHLAND (WESTERN)

BAYER A.G.

Acrylic	Dormagen *Bayer-Textilfaser Dralon* (yarn & staple)
Nylon 6	Dormagen *Perlon-Draht* (monofil)
Spandex	Dormagen *Bayer-Textilfaser Dorlastan* (fused multifil)

BOLTA WERKE G.m.b.H.

Saran	Nürnberg *Bolta* (monofil)

GERMANY, FEDERAL REPUBLIC OF (continued)

BUNDESREPUBLIK DEUTSCHLAND (WESTERN)

DEUTSCHE ICI G.m.b.H.

Nylon 66	Östringen *Timbrelle* (yarn & staple)
Polyester	Östringen *Terylene* (yarn)

DU PONT DE NEMOURS (DEUTSCHLAND) G.m.b.H.

Nylon 66	Uentrop, Kreis Unna (yarn & staple)
Polyester	Uentrop *Dacron* (staple, tow & fiberfill)

ENKA A.G.

Nylon 6 & 66	Obernburg *Enka Nylon* (yarn), *Enka Perlon* (yarn)
Polyester	Oberbruch & Obernburg *Diolen* (yarn)
Rayon	Kelsterbach, Oberbruch & Obernburg (ind & reg yarn)

E. HAHL KG •

Nylon 6	Munderkingen (staple)

FASERWERKE LINGEN G.m.b.H.

Acrylic	Lingen *Bayer-Texilfasern Orlon* (staple)

HOECHST A.G.

Acrylic	Kelheim/Donau *Dolan* (staple)
Polyester	Bad Hersfeld, Hessen & Bobingen/Augsburg-land *Trevira* (yarn, staple & spunbonded), *Trevira-Draht* (monofil)
Rayon	Kelheim/Donau (staple)

KUNERT

Nylon 66	Deggendorf (yarn)
Polyester	Deggendorf (yarn)

LUTRAVIL SPINNVLIES •

Nylon 6	Kaiserslautern *Lutrabond* (spunbonded)
Polyester	Kaiserslautern *Lutradur* (spunbonded)

NORDDEUTSCHE FASERWERKE G.m.b.H.

Nylon 6 & 66	Neumünster *SIKS NYLON* (yarn), *SIKS PERLON* (yarn & staple)
Polyester	Neumünster *Avitron* (yarn)

PHOENIX GUMMIWERK A.G.

Saran	Hamburg/Harburg *Harlan* (monofil)

HEINRICH REINHOLD KG •

Nylon 6	Selbitz, Bayern (staple)

RHODIA A.G.

Acetate	Freiburg/Br. *RHIAKABEL* (tow)
Nylon 66	Freiburg/Br. & Rottweil a. N/Württ. *RHOA-fil Nyltest, RHOA-Spinnfaser, RHOA-tex HELANCA* (yarn & staple)
Polyester	Freiburg/Br. *RHOA-fil TERGAL, RHOA-tex TERGAL* (yarn)

SPINNSTOFFABRIK ZEHLENDORF A.G.

Polyester	Berlin-Zehlendorf *Trevira* (yarn & staple)

GERMANY, FEDERAL REPUBLIC OF (continued)

BUNDESREPUBLIK DEUTSCHLAND (WESTERN)

WACKER-CHEMIE G.m.b.H.

Vinal	München-Burghausen *Wacker MP-Faser* (staple)

OLEFIN FIBER

J. F. ADOLFF A.G. Backnang (P film)

AMOCO FABRICS & FIBERS CO., DIVISION OF AMOCO (DEUTSCHLAND) G.m.b.H. Gronau (P film & staple)

J. H. BENECKE G.m.b.H. Peine *Corovin* (P spunbonded)

R. B. J. RUDOLF BILLERMANN KG Emsdetten (P yarn & staple)

CHEMISCHE WERKE HÜLS A.G. Marl, Kreis Recklinghausen, Westphalia *Vestolan* (E & P monofil)

DYNAMIT NOBEL A.G. Troisdorf, Bez. Köln *Trofil* (E & P monofil & tow)

DEUFIL Bergkamen (P yarn)

FASERWERKE BOTTROP G.m.b.H. Bottrop (P staple)

FÜSSENER TEXTIL A.G. Füssen (P film)

GEO. GLEISTEIN & SOHN Bremen-Vegesack (P film & monofil)

E. HAHL KG Munderkingen (P monofil)

HOECHST A.G. Bobingen, Augsburg-Land (P staple)

RUDOLF HILLER KG (P monofil)

LUTRAVIL SPINNVLIES Kaiserslautern *Lutrasil* (P spunbonded)

HEINRICH REINHOLD KG Selbitz/Bayern (P staple)

STEEN Hamburg (P staple)

WESTFALIA SPINNEREI U. KUNSTOFFWERK SCHEM KG Minden (P monofil & film)

OLEFIN FILM FIBER, only

BAUMHÜTER G.m.b.H. Wiedenbrück

BREMER WOLL-KÄMMEREI Bremen-Blumenthal

ERNST JAEGER Düsseldorf-Reisholz

HEINZ G. JUNEMANN (NORDHESSISCHE HAARWARENFABRIK) Felsberg

KUSGA KUNSTOFFGARNE G.m.b.H. Mainz

POLYDRESS PLASTIC G.m.b.H. Michelstadt

GERMANY, FEDERAL REPUBLIC OF (continued)

BUNDESREPUBLIK DEUTSCHLAND (WESTERN)

POLYUNION KUNSTOFFWERK Mesum

SCHILGEN Emsdetten

SPOHN G.m.b.H Freiburg

B. T. F. TECKLENBORG & CO. Bremen-Grohn

DR. KARL WETEKAM & CO. Melsungen

GLASS FIBER

GEVETEX-TEXTILGLAS G.m.b.H. Aachen & Herzogenrath
Fiberglas Vetrotex

SCHULLER GLASWERK Westheim

GREECE

ETMA S.A.

Nylon 6/66	Athens (yarn)
Rayon	Athens (reg yarn)

HELLENIC SYNTHETICS INDUSTRY

Polyester	Kalogreza (yarn)

POLYETMA LTD.

Polyester	Athens (yarn)

VOMVICRYL S.A. (affiliate of "Vomvix" S.A.)

Acrylic	Stylis, near Lamia (yarn, staple, tow & tops)

"VOMVIX" S.A.

Nylon 6/66	Athens (yarn)
Polyester	Athens (yarn)

OLEFIN FIBER

VIOFARM Argos (P staple)

OLEFIN FILM FIBER, only

ARIPLAST S.A. Athens

BIOSISAL Athens

DESSILA Piraeus

ELVISAK Athens

MARINE ROPE Athens

OLYMPIC ROPES Piraeus

SISAL ROPERY Salonika

C. VELLIS HEIRS S.A. Piraeus

GREECE (continued)

VESY S.A. SYNTHETIC MATERIALS INDUSTRY Piraeus

GUATEMALA

HILOS SINTETICOS CENTROAMERICANOS, S.A.

Nylon 6	San José Pinula, Guatemala (yarn) (idle)

OLEFIN FIBER

CORDELERIA LA RAPIDA Guatemala, Guatemala (P monofil)

HONDURAS

OLEFIN FIBER

POLYMER (subsidiary of United Brands) San Pedro Sula (P film)

HUNGARY

MAGYAR VISCOSAGYÁR (Hungarian Viscose Factory) •

Acrylic	Nyergesújfalu *Crumeron* (staple)
Nylon 6	Nyergesujfalu *Danamid* (yarn & staple)
Rayon	Nyergesújfalu (staple)

OLEFIN FIBER

KENDER JUTA TEXTILIPARI V. Budapest (P film)

KENDERFONÓ ÉS SZÖVÖIPARI V. SZEGED Szeged (P film)

MAGYAR VISCOSAGYÁR Nyergesújfalu *Popril* (P staple)

SOPRONI SZÖNYEGGYÁR Sopron *Sopilen* (P yarn)

TISZA CHEMICAL COMBINE Lenin Varas (P staple)

INDIA

ACME INVESTMENTS LTD.

Nylon 6	Panki Industrial Area, Kanpur* (yarn)

THE AHMEDABAD MFG. & CALICO PRINTING CO. LTD.
CALICO POLYESTER FIBRE DIV.

Polyester	Baroda, Gujarat *Ilacron* (staple)

ANDHRA PRADESH RAYONS LTD.

Rayon	Kamalapuram, Warangal District, Andhra Pradresh* (staple)

THE BARODA RAYON CORPORATION LIMITED

Nylon 6	Udhna, Gujarat *Snialon* (yarn)
Polyester	Udhna *Sniater* (yarn)
Rayon	Udhna (reg yarn)

INDIA (continued)

BONGAIGAON REFINERY AND PETROCHEMICALS LTD.

Polyester	Goalpara, Assam* (staple)

CENTURY ENKA LIMITED

Nylon 6	Bhosari, Pune, Maharashtra* *Enkalon* (yarn)
Polyester	Bhosari (yarn)

CENTURY RAYON (Prop.: The Century Spg. & Mfg. Co. Ltd.)

Rayon	Kalyan, near Bombay, Maharashtra (ind & reg yarn)

GARWARE NYLONS LIMITED

Nylon 6	Pimpri, Pune, Maharashtra* *Garware* (yarn & monofil)
Polyester	Pimpri (yarn)

THE GWALIOR RAYON SILK MFG. (WVG) CO. LIMITED

Rayon	Birlagram, Nagda, Madhya Pradesh & Birlakootoam, Mavoor, Kerala (staple)
Polyester	Rajgarh, Madhya, Pradesh (staple*)

HARYANA PETROCHEMICALS LTD.

Polyester	Rewari, Haryana* (yarn)

INDIA POLYFIBRES

Polyester	Parakandauli & Lucknow, Uttar Pradesh (staple)

INDIAN EXPLOSIVES LTD.

Polyester	Thane, near Bombay, Maharashtra *Terene* (staple)

INDIAN ORGANIC CHEMICALS LIMITED

Polyester	Manali, Madras, Tamil Nadu *Futura* (yarn & staple)

INDIAN PETROCHEMICALS CORP. LTD.

Acrylic	Vadodara, Baroda, Gujarat *Cashmilon* (staple)

THE INDIAN RAYON CORPORATION LIMITED

Rayon	Veraval, Gujarat (reg yarn)
Polyester	Broach (yarn*)

J.K. RAYON, J.K. PURI

Rayon	Kanpur, Uttar Pradesh (reg yarn)

J.K. SYNTHETICS LIMITED

Acrylic	Kota, Rajasthan *Jayacrylic* (staple)
Nylon 6	Kota *Jayanka, Jaycord, Jaykalon* (yarn, monofil & staple)
Polyester	Calcutta, Kota, Orissa* *Jakaylene* (yarn & staple)

JAGATJIT COTTON TEXTILE MILLS LTD.

Nylon 6	Hoshiarpur, Punjab (yarn)
Polyester	Hoshiarpur (yarn)

KARNATAKA STATE INDUSTRIAL DEVELOPMENT CORPORATION LIMITED

Nylon 6	Karnataka* (yarn)
Polyester	Karnataka* (yarn & staple)

INDIA (continued)

KESORAM RAYON (Prop.: Kesoram Industries and Cotton Mills Ltd.)

Rayon	Nayasarai, Hooghly, West Bengal (reg yarn)

MODIPON LIMITED

Nylon 6	Modinagar, Uttar Pradesh *Modipon* (yarn)
Polyester	Modinagar (yarn)
Rayon	(staple*)

THE NATIONAL RAYON CORPORATION LIMITED

Nylon 6	Mohone-Kalyan, near Bombay, Maharashtra* *N.R.C* (yarn)
Rayon	Mohone-Kalyan (ind & reg yarn)

NIRLON SYNTHETIC FIBRES & CHEMICALS LIMITED

Nylon 6	Bombay, Maharashtra *Nircord, Nirlon* (yarn & monofil)
Polyester	Bombay *Nirester* (yarn)

ORISSA SYNTHETICS LTD.

Polyester	Orissa* (staple)

ORKAY SILK MILLS PVT. LTD.

Polyester	Patalganga, Maharashtra* (yarn)

PARSURAM PURIA SYNTHETICS LTD.

Polyester	Alwar, Rajasthan* (yarn)

PASUPATI ACRYLON LIMITED

Acrylic	Moradabad, Uttar Pradesh* (staple)

PETROFILS COOPERATIVE LIMITED

Polyester	Jawaharnagar, Baroda, Gujarat (yarn)

PRADESHIYA INDUSTRIAL INVESTMENT CORPORATION OF UTTAR PRADESH

Polyester	Uttar Pradesh* (yarn)

PUNJAB STATE INDUSTRIAL DEVELOPMENT CORP. LTD.

Acrylic	Punjab (staple)
Polyester	Punjab (staple)

RELIANCE INDUSTRIES LTD.

Polyester	Patalganga, Maharashtra* (yarn & staple*)

SHREE SYNTHETICS LIMITED

Nylon 6	Naulakhi, Ujjain, Madhya Pradesh *Shreelon* (yarn)
Polyester	Naulakhi *Shreester* (yarn)

SHRIRAM FIBRES LIMITED

Nylon 6	Manali, Madras, Tamil Nadu *Tufcord* (yarn)

SHRIRAM RAYONS

Rayon	Kota, Rajasthan (ind yarn)
Nylon 6	Kota (yarn)

THE SIRSILK LIMITED

Acetate	Sirpur-Kaghaznagar, Andhra Pradesh (yarn & staple)

INDIA (continued)

SOUTH INDIA VISCOSE LIMITED
Rayon Sirumughai, near Mettupalayam, Tamil Nadu (reg yarn & staple)

STRETCH FIBRES (INDIA) LIMITED
Nylon 6 Nagpur, Maharashtra *SF* (yarn)

SWADESHI POLYTEX LIMITED
Polyester Gaziabad, Uttar Pradesh *Jailene* (staple)

THAPAR DU PONT LTD.
Nylon Goa (ind yarn)

THE TRAVANCORE RAYONS LIMITED
Rayon Rayonpuram, Kerala (reg yarn)

TUNGABHADRA FIBRES LTD.
Rayon Tungabhadra, Andhra Pradesh (staple)

OLEFIN FIBER

AMITABH TEXTILE MILLS LTD. Dehra Dun, Uttar Pradesh* (P yarn)

ANIL KUMAR JAIN Ankleshwar, Gujarat* (P yarn)

GUJARAT FILAMENTS CORPORATION LTD. Baroda, Gujarat* (P yarn)

GUPTA NEEDLE INDUSTRIES PVT. LTD. Dharuhera, Haryana* (P yarn)

INDO SYNTHETICS CORP. (P yarn*)

J.K. BHAGAT Bhiwand, Alwar, Rajasthan* (P yarn)

KALYANI ASBESTOS CEMENT PVT. LTD. Kalol, Gujarat* (P yarn)

NEOMER LIMITED Baroda, Panchmahal, Gujarat *Proplon* (P staple)

NIAGARA INTERNATIONAL (P yarn*)

POLYPROP INDUSTRIES Dharuhera, Haryana* (P yarn)

RAJASTHAN PETROSYNTHETICS LTD. Udaipur, Rajasthan* (P yarn)

RAJENDRA V. PATEL Cambay, Gujarat* (P yarn)

SANJEEV SHRIYA Uttar Pradesh* (P yarn)

INDONESIA

INDONESIA PENELITIAN SELULOSA (Cellulose Research Institute)

P.F. FIBRES e CHEMICALS
Nylon (yarn)

INDONESIA (continued)

P.T. BERKAT INDAH AGUNG
Rayon Tangerang, West Java* (staple)

P.T. INDO-BHARAT RAYON
Rayon Desa Cilangkap, Purwakarta (staple)

P.T. INDONESIA ASAHI CHEMICAL
Nylon 6 Jatiluhur, Purwakarta, West Java (yarn)

P.T. INDONESIA TORAY SYNTHETICS
Nylon 6 Tangerang, West Java (yarn)
Polyester Tangerang (staple)

P.T. INDUSTRI SANDANG I
Polyester Tangerang* (staple)

P.T. INDUSTRI SANDANG II
Rayon South Sumatra* & West Kalimantan* (staple)

P.T. INTI
Rayon West Kalimanton (staple*)

P.T. INTI INDAH RAYON UTAMA
Rayon Sosorladang, N. Sumatra* (yarn)

P.T. KUMA FIBER (P.T. Kuraray Manunggal Fibre Industries)
Polyester Cikokol, Tangerang, West Java (staple)

P.T. POLYSINDO EKA PERKASA
Polyester Kaliwungu, Kendal, C. Java (staple)

P.T. SHINTA-INDAH DJAYA
Nylon 6 Tangerang, West Java (yarn)
Polyester Tangerang *Shinta* (yarn)

P.T. SOUTH PACIFIC VISCOSE
Rayon Purwakarta, West Java (staple)

P.T. SUSILIA INDAH SYNTHETIC FIBRES INDUSTRIES
Polyester Djakarta*, Tangerang, West Java (yarn & staple)

P.T. TEXMACO TAMAN SYNTHETIC
Polyester Kaliwungu Kendal, West Java (yarn)

P.T. TIFICO (P.T. Teijin Indonesia Fibre Corp.)
Polyester Tangerang, West Java (yarn & staple)

P.T. TOLARAM
Polyester (yarn)

P.T. TRI REMPOA SOLO SYNTHETIC
Polyester Rempon, Tangerang, West Java* (staple)

P.T. VASTEX BIMA INDUSTRIES
Polyester Jalan Gedebage Ujungberung Bandung (yarn)

P.T. YASINTA
Polyester Tangerang, West Java (yarn)

RAUMAQ ENTERPRISES
Nylon (yarn)

IRAN

PARSYLON CORPORATION

Nylon 6	Khoram-Abad (yarn)

POLYACRYL IRAN CORPORATION

Acrylic	Isfahan (staple)
Polyester	Isfahan (yarn & staple)

SHERKAT SAHAMI ALIAF

Nylon 6	Tehran *Aliaf* (yarn)

OLEFIN FIBER

JAHANCITT SPINNING & WEAVING CO. Tehran (P film)

IRAQ

HINDIYA RAYON FACTORY

Rayon	Hindiya (reg yarn & staple)

OLEFIN FIBER

STATE ENTERPRISE FOR PLASTIC BAGS Tikrit

IRELAND

ASAHI SYNTHETIC FIBRES (IRELAND) LTD.

Acrylic	Ballina, Mayon *Cashmilon* (staple)

LIRELLE (IRELAND) LTD. (A Division of Unifi, Inc.)

Polyester	Letterkenny *Lirelle* (yarn)

WELLMAN INTERNATIONAL LTD.

Nylon 6 & 66	Mullagh, Kells, Meath *Wellon* (staple)
Polyester	Mullagh *Filwell, Wellene* (staple)

OLEFIN FIBER

F. DRAKE (IRELAND) LTD. Moate, Westmeath (P staple)

J. & L.F. GOODBODY (SYNTHETICS) LTD. Clara, Offaly (P yarn & film)

OLEFIN FILM FIBER, only

IRISH POLYSACKS LTD. Blarney, Cork

IRISH ROPES LTD. Newbridge, Kildare

POLYTEX LTD.

ISRAEL

ISRAEL CHEMICAL FIBRES LIMITED

Acrylic	Ashdod (staple & tow)

NILIT

Nylon 66	Migdal Ha-Emek (yarn)

ITALY

ALBATESSILE S.p.A.

Polyester	Alba, Piemonte (yarn)

AQUAFIL S.p.A.

Nylon 6	Arco di Trento, Trentino *Aqualon* (yarn)
Polyester	Arco di Trento (yarn)

BEMBERG S.p.A.

Nylon 6	Gozzano, Piemonte *Ortalion* (yarn)
Cupra	Gozzano *Bemberg* (yarn)

CARPOL S.p.A.

Nylon 6	Forli, Emilia Romagna (yarn)

ENICHEM FIBRE S.p.A. (formerly Anicfibre)

Acrylic	Ottana & Porto Torres, Sardegna *Euroacril, Sironil* (staple & tow)
Nylon 6	Pisticci, Lucania *Nivion* (yarn & staple)
Polyester	Ottana *Fidion* (staple & tow)
Polyesteramide	Pisticci (pilot plant), Seris (yarn)

FILATURA DI VAL LESINA S.p.A.

Polyester	Andalo Valtellino, Lombardia *Valena* (yarn)

FIMALON S.p.A.

Nylon 66	Castelnuovo Valsugana, Trentino Alto Adige (yarn)

FORTEX SIDAC S.p.A.

Nylon 6	Forli, Emilia Romagna *Forlion* (yarn)

FRATELLI FRANCHI S.p.A.

Nylon 6	Canapale, Toscana *Frankilon* (yarn)
Polyester	Canapale *Frankilene* (yarn)

MONTEFIBRE GROUP:

INDUSTRIE TESSILI VERCELLI S.p.A.

Acetate	Vercelli, Piemonte (yarn)

SOCIETÀ ITALIANA POLIESTERE S.p.A.

Polyester	Acerra, Campania *Terital* (yarn, staple & tow)

SOCIETÀ ITALIANA PRODOTTI ACRILIC S.p.A.

Acrylic	Porto Marghera, Veneto *Leacril* (staple & tow)

NOVACETA S.p.A.

Acetate	Magenta, Lombardia (yarn)

NUOVA RAYON ITALIA S.p.A.

Rayon	Rieti, Lazio (reg yarn)

RADICI FIL S.p.A.

Nylon 6	Casnigo, Lombardia (yarn)

SETTE STELLE S.p.A.

Nylon 6	Castelgoffredo, Lombardia (yarn)

SNIA FIBRE S.p.A.

Acrylic	Cesano Maderno, Lombardia, Villacidro, Sardegna *Velicren, Velicren F.R.* (staple & tow)

ITALY (continued)

SNIA FIBRE S.p.A. (continued)

Nylon 6 & 66	Castellaccio, Lazio; Cesano Maderno & Varedo, Lombardia; Villacidro; Napoli, Campania *Coro Lilion Souple, Lilion Styl* (yarn, staple & tow)
Polyester	Napoli *Wistel, Wistel F.R.* (yarn)

SOCIETÀ INDUSTRIALE CREMONESE S.p.A.

Rayon	Pizzighettone, Lombardia (ind yarn)

STERE

Polyester	Cardano al Campo, Lombardia (yarn)

TEXTILE PRODUKTE S.p.A.

Nylon 6	Villa D'Ogna, Lombardia (yarn & staple)

TORCITURA DI BORGOMANERO S.p.A.

Nylon 6	Milano, Lombardia *Borgolon* (yarn)

OLEFIN FIBER

EUROFIL Gandino, Lombardia (P staple)

FILATURA DI DELEBIO S.p.A. Delebio, Lombardia *Delebion* (P yarn)

FILLI FRANA Casnigo, Lombardia (P staple & film)

I.T.S. Legnano, Lombardia (P yarn)

MOPLEFAN (Formerly Himont Italia S.p.A.) Grassobbio, Lombardia *M.R.81* (P yarn), Terni, Umbria *Meraklon* (P yarn & staple)

NOVASAR Caronno Pertusella, Lombardia (P yarn & staple)

POLYMECON Zibido S. Giacomo, Lombardia (P staple & film)

SERGEL Casnigo, Lombardia (P staple & film)

TEXTILE PRODUKTE Villa D'Ogna, Lombardia (P staple)

OLEFIN FILM FIBER, only

CARPET BACKING S.p.A. Ceniga

DE MAGISTRIS EMILIO Bagnolo Cremasco

I.T.P.

LICANA NORD S.p.A. Cassano d'Adda (Milano)

MILANPLAST s.r.l. Milano

MOPLEFAN S.p.A. Milano

NEOFIBRE s.r.l. Lendinara

SACHIM (MUMMOLO) Bari

S.E.A.L. S.p.A. Milano

ITALY (continued)

S.I.S.A.L. S.p.A. Piacenza

STIROSIR S.p.A. Milano

TESSITURA LOMBARDA DI CONSONNI ELIA ALBIATE

TEXTILE GLASS FIBER

VETROTEX ITALIA S.p.A. Besana Brianza, Lombardia (yarn), Fibras Di Rinforzo *VETROTEX*

VITROFIL S.p.A. Vado Ligure, Liguria

JAPAN

ASAHI CHEMICAL INDUSTRY CO., LTD.

Acrylic	Fuji *Cashmilon, Pewlon* (yarn & staple)
Nylon 6/66	Nobeoka & Moriyama *Asahi Kasei Nylon, Leona* (yarn, monofil & spunbonded)
Polyester	Nobeoka & Moriyama *Asahi Kasei Ester* (yarn & spunbonded)
Rayon	Nobeoka (reg & cupra yarn, cupra staple & cupra spunbonded)
Saran	Suzuka (yarn, monofil & staple)
Spandex	Moriyama *Roica*

DAIWABO CO., LTD. •

Rayon	Masuda (staple)

DU PONT-TORAY COMPANY LTD.

Spandex	Shiga *Opelon* (fused multifil)

FUJI SPINNING CO., LTD.

Rayon	Toyo (staple)
Spandex	Kozakai *Fujibo Spandex*

JAPAN EXLAN CO., LTD.

Acrylic	Saidaiji *Exlan* (staple)

KANEBO RAYON, LTD.

Rayon	Hofu (staple)

KANEBO SYNTHETIC FIBERS, LTD.

Acrylic	Hofu *Kanebo Acryl* (staple)
Nylon 6	Hofu *Kanebo Nylon* (yarn)
Polyester	Hofu & Sabae *Kanebo Polyester* (yarn)
Spandex	Hofu *Kanebo Loobell*

KANEGAFUCHI CHEMICAL INDUSTRY CO., LTD.

Modacrylic	Takasago *Kanecaron, Kanekalon* (staple & tow)

KOHJIN CO., LTD.

Polychlal	Yatsushiro *Cordelan* (staple)
Rayon	Yatsushiro (staple)

KURARAY CO., LTD.

Polyester	Saijo & Tamashima *Kuraray Polyester* (yarn & staple)

JAPAN (continued)

KURARAY CO., LTD. (continued)

Rayon	Kurashiki, Saijo & Tamashima *Three Golden Horses* (reg yarn)
Vinal	Okayama *Kuralon* (yarn & staple)

KUREHA CHEMICAL INDUSTRY CO., LTD.

Saran	Mibu *Krehalon* (yarn, monofil & staple)
Vinyon	Mibu *Viclon* (monofil)

MITSUBISHI ACETATE CO., LTD.

Acetate	Toyama (yarn & tow)
Triacetate	Toyama (yarn)

MITSUBISHI RAYON CO., LTD. *

Acrylic	Otake *Finel, Silpalon, Vonnel* (yarn & staple)
Polyester	Toyohashi *Soluna* (yarn), Lunaace (staple)

NIPPON ESTER CO., LTD.(subsidiary of Unitika, Kanebo and Mitsubishi Chemical Industry)

Polyester	Okazaki & Sabae *Kanebo Ester, Unitika Ester* (yarn & staple)

NISSHINBO INDUSTRIES, INC.

Rayon	Tokushima (staple)
Spandex	Tokushima *Mobilon*

NITIVY CO., LTD.

Vinal	Fujieda *Niti-Vilon, Solvron, Vilon* (yarn)

OMIKENSHI CO., LTD.

Rayon	Kakogawa (staple)

TEIJIN LTD.

Aramid	Iwakuni *Teijinconex* (staple)
Nylon 6	Mihara *Teijin Nylon* (yarn)
Polyester	Ehime, Iwakuni, Matsuyama & Tokuyama *Teijin-Tetoron* (yarn & staple)
Vinyon	Iwakuni *Teviron* (yarn)

TEIJIN ACETATE LTD. (subsidiary of Teijin Ltd.)

Acetate	Matsuyama (yarn)

TOHO RAYON CO., LTD.

Acrylic	Mishima *Beslon* (staple & tow)
Rayon	Tokushima *Tovis* (staple)

TORAY INDUSTRIES, INC.

Acrylic	Ehime *Toraylon* (staple)
Nylon 6	Aichi, Ishikawa*, Nagoya, Okazaki & Shiga *Amilan, Toray Nylon* (yarn & staple)
Nylon 6/66 copolymer	Aichi *Tapilon* (yarn)
Nylon 66	Aichi, Ishikawa, Okazaki *Promilan* (yarn)
Polyester	Ehime, Ishikawa, Mishima & Okazaki *Toray Tetoron* (yarn & staple)

TORAY-MONOFILAMENT CO., LTD.

Nylon 6	Okazaki *Toray Nylon* (monofil)

TOYO CHEMICAL CO., LTD.

Vinyon	Ofuna *Envilon* (yarn & monofil)

JAPAN (continued)

TOYOBO CO., LTD. *

Nylon 6	Tsuruga *Toyobo Nylon* (yarn)
Polyester	Iwakuni & Tsuruga *Toyobo Ester* (yarn & staple)
Promix	Tsuruga *Chinon* (yarn)
Rayon	Iwakuni *Tufcel* (staple)
Spandex	Tsuruga *Espa*

TOYOBO PETCORD CO., LTD.

Polyester	Tsuruga *Toyobo Petcord* (yarn)

UNITIKA LTD.

Nylon 6	Uji *Unitika* (yarn, monofil & staple)
Polyester	Okazaki *Marix* (ind yarn & spunbonded)

UNITIKA KASEI CO., LTD.

Vinal	Sakoshi (Akoh City) *Mewlon* (yarn, monofil & staple)

UNITIKA RAYON CO., LTD.

Rayon	Okazaki & Uji (ind & reg yarn)

YOSHIDA KOGYO K.K.

Polyester	Kurobe (yarn)

OLEFIN FIBER

ASAHI CHEMICAL INDUSTRY CO., LTD. Moriyama (P spunbonded)

CHISSO POLYPRO FIBER CO., LTD. Moriyama *Chisso Polypro, ES Fiber* (P yarn & staple)

DAIWABO CO., LTD. Harima *Daiwabo Polypro, NBF Fiber* (E & P staple)

HAGIHARA INDUSTRY CO., LTD. Kurashiki (E monofil & film)

HIRATA SPINNING CO., LTD. Yokkaichi *Hiralon* (E & P yarn & monofil)

INABA SEIKO, LTD. Gamagori (E monofil)

KANEYA SEIKO, LTD. Hokkaido & Kushiro (E & P monofil)

KUREHA CHEMICAL INDUSTRY CO., LTD. Mibu *Kureha Polypropylene* (P monofil)

MARUAI CO., LTD. Toyohashi (E monofil)

MITSUBISHI RAYON CO., LTD. Toyohashi *Mitsubishi Pylen* (P yarn & staple)

NAGANO KAKO CO., LTD. Nagano (E monofil)

SHOWA POLYMER CO., LTD. Ibaraki (E monofil & film)

TAI-RAY CO., LTD. Mito *Danzex, Danzex Lite, Liplon* (E monofil, P yarn & monofil)

TANIYAMA CHEMICAL INDUSTRY CO., LTD. Okayama *Tanikalon* (E monofil)

JAPAN (continued)

TOA WOOL SPINNING & WEAVING CO., LTD. Tomari *Toabo Polypro* (P staple)

TONEN SEKIYUKAGAKU K.K. (TONEN PETROCHEMICAL CO.; LTD.) Kawasaki *Tapyrus* (P spunbonded)

TOYOBO CO., LTD. Iwakuni (P staple)

UBE-NITTO KASEI CO., LTD. Fukuyama & Gifu *Sun Line, Ube-Nitto Polypro* (E monofil & P yarn, monofil & staple)

OLEFIN FIBER, only

DAIDO KASEI Osaka

FUJIMOTO SANGYO Osaka

OKAMOTO CHEMICAL Ehime

SAKAI KASEI Osaka

SANTO CHEMICAL Aichi

SEKISUI CHEMICAL Amagasaki & Nara

SUNREX INDUSTRIES, LTD. Yokkaichi (E monofil & P spunbonded)

TOYAMA Chiba

TOYO SODA Yokkaichi

WAKO SPINNING CO. Gifu

YAMAJIN TEXTILE Fukui

GLASS FIBER

ASAHI FIBER GLASS CO., LTD. Ibaraki & Shonan *Glasslon*

ASAHI-SCHWEBEL CO., LTD. Moriyama

CENTRAL GLASSFIBER CO., LTD. Matsusaka

FUJI FIBER GLASS CO. Moka

KANEBO, LTD. Gunma *Textoglass*

NIPPON GLASS FIBER CO., LTD. Ibaraki & Tsu *Micro Glass*

THE NIPPON MINERAL FIBER MFG. CO. Tarui & Yuki *Superfine*

NITTO BOSEKI CO., LTD. Fukushima *Iceberg*

PARAMOUNT GLASS MFG. CO., LTD. Koriyama & Suzuka *Fether Glass*

UNITIKA U.M. GLASS CO., LTD. Kyoto *Unitka U.M.*

KENYA

AFRICA SYNTHETIC FIBER LTD.

Nylon 6	Thika (yarn)
Polyester	Thika (staple)

JAYDEES LTD.

Polyester	Nairobi (yarn)

KENYA FIBRE CORPORATION LTD.

Polyester	Nanyuki (yarn & staple)

KISUMU COTTON MILL (KICOMI)

Polyester	Kisumu

SUNFLAG LTD.

Polyester	Nairobi (yarn)

OLEFIN FIBER

UNISACK LTD. Thika (P film)

KOREA
PEOPLE'S DEMOCRATIC REPUBLIC OF (NORTH)

A number of man-made fiber plants are said to be operating in North Korea (see June 1970 *Organon* issue, page 113); however, no data for this country are recorded in any table of this issue due to lack of reliable information.

KOREA
REPUBLIC OF (SOUTH)

CHEIL SYNTHETIC TEXTILES COMPANY

Polyester	Kumi *Eslon* (yarn & staple)

DAEHAN SYNTHETIC FIBER COMPANY

Polyester	Ulsan *Acelan* (yarn & staple)

GORYEO NYLON CORPORATION LTD.

Nylon 6	Kyungsan Kun *Kolon* (yarn)

HANIL SYNTHETIC FIBER INDUSTRIAL COMPANY

Acrylic	Masan *Hanilon* (staple)

JEIL SYNTHETIC FIBERS COMPANY*

Polyester	Seoul *Oplen* (yarn)

KOHAP, LTD. *

Nylon 6	Shihung *Palmylon* (yarn & staple)
Polyester	Shihung *Palmylon* (yarn & staple)

KOLON INDUSTRIES INC.

Nylon 6	Kumi, Taegu *Kolon* (yarn)
Polyester	Kumi *Kolon* (yarn)

SAMYANG COMPANY, LTD.

Polyester	Chunju *Triron* (yarn & staple)

KOREA
REPUBLIC OF (SOUTH) (continued)

SUNKYONG FIBRES LTD.

Acetate	Suwon *Sunkyung* (yarn & tow)
Polyester	Suwon & Ulsan *Sunkyong* (yarn & staple)

TAEKWANG INDUSTRIAL COMPANY

Acrylic	Ulsan *Acelan* (staple)
Spandex	Ulsan *Acelan* (yarn)

TONGKOOK FIBRES LTD.

Polyester	Kumi* (yarn)

TONGYANG NYLON COMPANY

Nylon 6	Anyang & Ulsan *Toplon* (yarn)
Polyester	Ulsan *Toplon* (yarn)

TONGYANG POLYESTER COMPANY

Polyester	Ulsan *Toplon* (yarn)

WONJIN RAYON COMPANY, LTD.

Rayon	Donong *Coray* (reg yarn & staple)

OLEFIN FIBER

JEIL SYNTHETIC FIBERS COMPANY Seoul *Oplene* (P yarn & staple)

KOHAP, LTD. Shihung *Happylon, Pylon* (P staple)

KUMSUNG SYNTHETIC FIBER CO., LTD. Seoul *Hopelon, Polon* (P staple) (idle)

LIBYA

LIBYA NATIONAL OIL CORPORATION (LINOCO)

Nylon 6	Marsa Al-Brega* (yarn)
Polyester	Marsa Al-Brega* (staple)

LUXEMBOURG

TECHNOFIBRES

Polyester	Mertert (yarn)

Production and capacity data are combined with Belgium and the Netherlands under "Benelux" on page 108 - 109.

OLEFIN FIBER

DU PONT FIBRES S.A. Contern-Hesperange *Typar* (P spunbonded)

MALAYSIA

ACRYLIC TEXTILE OF MALAYSIA SDN. BHD.

Acrylic	Kedah (yarn)

KANEBO MALAYSIAN SPINNING MILLS SDN. BHD.

Acrylic	Prai (yarn)

MALAYSIA (continued)

PENFIBRE SDN. BHD.

Polyester	Penang (staple)

SOUTEX SENDIRIAN BERHAD

Polyester	Batu Pahat (yarn & staple)

TOOTAL THREAD MALACCA SDN. BHD.

Polyester	Malacca (yarn)

MALTA

NYLON KNITTING CO. LTD.

Nylon 6	Qormi (yarn)

Production and capacity data are combined with Italy.

MEXICO

CELANESE MEXICANA, S.A.

Acetate	Ocotlán, Jalisco (yarn & staple)
Acrylic	Zacapu, Michoacán (staple, tow & tops)
Nylon 6	Ocotlán & Toluca, México *Duracel, Nycel* (yarn & staple)
Polyester	Ocotlán; Querétaro, Querétaro & Toluca *Crolan* (yarn & staple)

CELULOSA Y DERIVADOS, S.A.

Acrylic	Atequiza, Jalisco *Crysel* (staple, tow & tops)
Rayon	Monterrey, Nuevo León (ind & reg yarn)

FIBRAS QUIMICAS, S.A.

Nylon 6	Monterrey, Nuevo León *Supernylon Cydsa* (yarn & monofil)
Polyester	Monterrey *Terlenka* (yarn)

FIBRAS SINTETICAS, S.A.

Acrylic	Cotaxtla, Veracruz *Fisisa* (staple, tow & tops)
Nylon 6	Cotaxtla *Fisisa* (yarn & monofil)
Polyester	Cotaxtla & México *Fisisa* (yarn & staple)

FIBRASOMNI, S.A.•

Nylon 6	Ixtapalapa, D.F. *Omni-Nylon* (monofil)
Saran	Ixtapalapa *Omni-Saran* (monofil)

FINACRIL, S.A.

Acrylic	Altamira (staple, tow & tops)

INDUSTRIAS PETROQUIMICAS MEXICANAS, S.A.

Polyester	El Salto, Jalisco *Inpetmex* (yarn)

KIMEX S.A.

Nylon 6	Tlalnepantla, México *Aztecron* (yarn)
Polyester	Tlalnepantla *Kintrel* (yarn)

NYLON DE MEXICO, S.A.

Nylon 6	La Leona, Nuevo León *Nylfil* (yarn & staple)
Polyester	La Leona *Delcron* (yarn, staple, tow & fiberfill)
Spandex	La Leona *Likra* (fused multifil)

MEXICO (continued)

OLEFIN FIBER

FIBRASOMNI, S.A. Ixtapalapa, D.F. *Politen-Omni* (E monofil), *Polyprop-Omni* (P yarn & monofil)

INDUSTRIAS POLIFIL, S.A. Ixtacuixtla, Tlaxcala *Pliana* (P yarn & staple)

PLASTICOS INDUSTRIALIZADOS, S.A. Monterrey, Nuevo León (P staple)

OLEFIN FILM FIBER, only

HILOS Y CORDELES, S.A. Tlalnepantla, México

PLASTICEL, S.A. Monterrey, Nuevo León (*Plasticel*)

POLISAC, S.A. (affiliate of Nylon de México, S.A.), Guadalajara, Jalisco (*Polisac*)

GLASS FIBER

VITRO-FIBRAS, S.A. Zacatenco, D.F. *Vitro-Fibras*

NETHERLANDS

DU PONT DE NEMOURS (NEDERLAND) N.V.

Spandex	Dordrecht *Lycra* (fused multifil)

ENKA B.V.

Aramid	Arnhem, Emmen *Arenka* (yarn)
Nylon 6	Emmen *Enka Perlon Enkalon* (yarn)
Polyester	Emmen *Diolen, Terlenka* (yarn & staple)
Rayon	Arnhem (ind yarn) & Ede (reg yarn)

OLEFIN FIBER

LANKHORST TOUWFABRIEKEN B.V. Sneek *Tiptolene* (E monofil & P film)

T.T.C. POLYOLEFINS B.V. Nijverdal (P monofil, film & staple)

N.V. VERTO Rotterdam (P film)

GLASS FIBER

SILENKA B.V. Hoogezand (Groningen) *Silenka*

Cellulosic production and capacity data are combined with Belgium on page 112 - 113. Noncellulosic production and producing capacity data are combined with Belgium and Luxembourg under "Benelux" on page 108 - 109.

NICARAGUA

OLEFIN FIBER

MANUFACTURERA CENTRO AMERICANA S.A. (MACEN) Managua (P film)

NIGERIA

NICHEMTEX INDUSTRIES LTD.

Polyester	Ikorodu, Lagos *Nigerlene* (yarn & staple)

NORWAY

OLEFIN FIBER

A/S PLATON, AVD. TEKSTIL Notodden *Filmtex* (E & P film)

NORFIL-NORPACK A/S Stavern, near Larvik *Akvaflex* (P yarn, E & P monofil & film)

STAL OG TAU Tonsberg *Norseflex* (P film)

GLASS FIBER

NORSK GLASSFIBER A/S Birkeland

PAKISTAN

BENGAL FIBER INDUSTRIES, c/o BENGAL OIL MILLS LIMITED

Nylon 6	Karachi *Nylpak* (yarn)
Polyester	Karachi (yarn & staple)

DILON LIMITED

Nylon 6	Landhi *Dilon* (yarn)
Polyester	(yarn*)

GATRON INDUSTRIES LIMITED

Polyester	Hub Chowki (yarn)

HASHWANI GROUP

Polyester	Sind Province (yarn)

ICI PAKISTAN MANUFACTURERS LTD.

Polyester	Lahore *Tere-Pak* (staple)

NATIONAL FIBERS LIMITED

Polyester	Korangi, Karachi (yarn & staple)

NILOM NYLON MILLS LIMITED

Nylon 6	Lyallpur *Nilom* (yarn & monofil)

PAK FIBRE INDUSTRIES LIMITED

Polyester	Hub Chowki (yarn)

POLYTEX

Polyester	(yarn)

RAVI RAYON LIMITED

Acetate	Kala Shah Kaku, Sheikhupura District *Krasil* (yarn)

RUPALI POLYESTER LIMITED

Polyester	Karachi* (yarn & staple)

S.G. RAYON MILLS LIMITED

Polyester	Karachi (yarn)

PAKISTAN (continued)

SYNTHETIC POLYLON

Polyester	Katri (yarn), Hub Chowki (staple)

PERU

BAYER INDUSTRIAL S.A.

Acrylic	Lima *Dralon* (staple)

FILAMENTOS INDUSTRIALES, S.A.

Nylon 6	Lima* (yarn)
Polyester	Lima (yarn)

MANUFACTURA NYLON S.A.

Nylon 6	Vitarte, near Lima (yarn)
Polyester	Vitarte *Diolen* (staple)

MANUFACTURAS DEL SUR S.A.

Nylon 6	Arequipa *Long Life, Mistilon* (yarn)
Polyester	Arequipa (yarn & staple)

RAYON Y CELANESE PERUANA S.A.

Acetate	Lima (yarn)
Nylon	Lima (staple)
Polyester	Lima *Forcel* (yarn, staple, tow & tops)

RETEX PERUANA, S.A.

Nylon 6	Ventanilla, Callao (yarn)

OLEFIN FILM FIBER, only

NORSAC S.A. Trujillo

POLICEL DEL PERU S.A. Lima

SACOS DEL SUR S.A. Arequipa

SACOS PISCO S.A. Pisco

PHILIPPINES, REPUBLIC OF THE

FILIPINAS SYNTHETIC FIBER CORPORATION

Polyester	Sta. Rosa, Laguna *Filsyn* (yarn & staple)

LAKEVIEW INDUSTRIAL CORPORATION

Polyester	Carmona, Rizal *Licron* (yarn & staple)

PHILIPPINE POLYAMIDE INDUSTRIAL CORPORATION (PPIC)

Nylon 6	Calamba, Laguna Philippine Polyamide (yarn) (idle)

TEXFIBER CORPORATION

Nylon 6	Taytay, Rizal *Texfiber* (yarn)

OLEFIN FIBER

INDUSTRIAL TEXTILE MANUFACTURING CO. (ITEMCOP)
Mandaluyong, Rizal (P film)

PHILIPPINES, REPUBLIC OF THE (continued)

MANILA CORDAGE COMPANY Manila (P film)

POLAND

CHODAKOWSKIE ZAKŁADY WŁOKIEN CHEMICZNYCH "CHEMITEX"

Rayon	Sochaczew (reg yarn)

WROCŁAWSKIE ZAKŁADY WŁOKIEN CHEMICZNYCH "CHEMITEX"

Rayon	Wrocław (reg yarn)

ZAKŁADY WŁOKIEN CHEMICZNYCH "CHEMITEX-ANILANA"

Acrylic	Łódz *Anilana* (staple)
Azlon	Łódz *Wipolan* (staple, casein base)

ZAKŁADY WŁOKIEN CHEMICZNYCH "CHEMITEX-CELWISKOZA"

Polyester	Jelenia Góra *Elana* (staple)
Rayon	Jelenia Góra (staple)
Spandex	Jelenia Góra (pilot plant) *Elaston* (yarn)

ZAKŁADY WŁOKIEN CHEMICZNYCH "ELANA"

Polyester	Torun, Bydgoszcz *Torlen* (yarn), *Elana* (staple)

ZAKŁADY WŁOKIEN CHEMICZNYCH "STILON"

Nylon 6	Gorzów Wielkopolski *Lanastil, Stilon* (yarn), *Polana* (staple)

ZAKŁADY WŁOKIEN CHEMICZNYCH "CHEMITEX-WISKORD" •

Rayon	Szczecin-Zydowce (reg yarn)

ZAKŁADY WŁOKIEN CHEMICZNYCH "CHEMITEX-WISTOM"

Rayon	Tomaszów Mazowiecki, Łódz (ind & reg yarn & staple)

OLEFIN FIBER

ZAKŁADY PRZEMYSŁU LNIARSKIEGO LENKO Bielsko-Biala (P film)

ZAKŁADY PRZEMYSŁU LNIARSKIEGO SKARBKOW Mirsk, Wrocław (P staple)

ZAKŁADY WŁOKIEN CHEMICZNYCH "CHEMITEX-WISKORD" Szczecin-Zydowce (P staple)

GLASS FIBER

KROSNIENSKIE HUTY SZKLA Krosno

ZAKŁADY WŁOKIEN CHEMICZNYCH "CHEMITEX-ANILANA" Łódz *Polsilon*

PORTUGAL

COMPANHIA INDUSTRIAL DE FIBRAS ARTIFICIAIS (CIFA), S.A.R.L.

Nylon 6	Sobrado, Valongo *Cifalon* (yarn)
Rayon	Sobrado (reg yarn & staple)

FIBRAS SINTÉTICAS DE PORTUGAL, S.A.R.L. (FISIPE)

Acrylic	Lisbon *Vonnel* (staple, tow & tops)

FINICISA - FIBRAS SINTÉTICAS, S.A.R.L.

Polyester	Portalegre, Alto Alentejo *Terylene* (staple)

TÊXTIL ARTIFICIAL DO PORTO, LDA.

Rayon	Porto (reg yarn)

OLEFIN FIBER

ALICATIFAS DA LOUSA (P staple)

FERCOL (P staple)

LUSOTUFO (P staple)

QUIMIGAL - QUIMICA DE PORTUGAL, E.P. Barreiro (P staple & film)

OLEFIN FILM FIBER, only

CERFIL Maia - Douro

CORDEX - COMPANHIA INDUSTRIAL TEXTIL, S.A.R.L. Esmoriz

COTESI - COMPANHIA DE TEXTEIS SINTÉTICOS S.A.R.L. Carvalhos

EUROFIL - INDUSTRIAS DE PETROLEOS PLASTICOS E FILAMENTOS, S.A.R.L. Lisbon

FÁBRICA DE TAPETES VITÓRIA Mira d'Aire

FERNANDES & COSTA, LDA. Seia

MANUEL RODRIGUES DE LIMA & FILHOS Cortegaca

MANUEL RODRIGUES D'OLIVEIRA, S.A. LDA. M. Maia

QUINTAS & QUINTAS Povoa de Varzim

SICOR - SOCIEDADE INDUSTRIAL DE CORDOARIA S.A.R.L. Cortegaca

GLASS FIBER

QUIMIGAL - QUIMICA DE PORTUGAL, E.P. * Barreiro

ROMANIA

COMBINATUL DE FIBRE ARTIFICIALE

Rayon	Braila, Dej* & Suceava* (ind yarn & staple)
Polyester	Vaslui (yarn)

ROMANIA (continued)

FABRICA DE FIBRE ARTIFICIALE "VISCOFIL"

Rayon	Popesti-Leordeni, near Bucuresti (reg yarn)

FABRICA DE FIBRE ARTIFICIALE "VISCOZA"

Rayon	Lupeni (reg yarn)

UZINA DE FIBRE SINTETICE IASI

Polyester	Iasi *Teron* (yarn, staple, tow & tops)

UZINA DE FIBRE SINTETICE SAVINESTI

Acrylic	Savinesti, near Piatra Neamt (Bacau Region) *Melana* (staple & tops)
Nylon 6	Savinesti *Relon* (yarn & staple)

SOUTH AFRICA, REPUBLIC OF

CONSOLIDATED TEXTILE MILLS (part of Frame Group of Companies)

Polyester	Jacobs, Natal (yarn & staple - captive)

HOECHST SOUTH AFRICA (PTY.) LTD.

Polyester	Milnerton, Cape Province *Trevira* (staple)

SOUTH AFRICAN NYLON SPINNERS (PTY.) LIMITED

Nylon 66	Bellville, Cape Province *Bri-Nylon* (yarn)
Polyester	Bellville & Hammarsdale, Natal *Terylene* (yarn)

OLEFIN FIBER

ROMATEX MILLS Jacobs, Natal (P film)

SPAIN

BRILEN S.A.

Polyester	Barbastro, Huesca & Igualada, Barcelona (yarn & staple)

COURTAULDS FIBRES S.A.

Acrylic	Prat de Llobregat, Barcelona *Crilenka* (staple & tow)

DE FIBER S.A.

Nylon 66	Vendrell, Tarragona

INDUSTRIAS DEL ACETATO DE CELULOSA, S.A. (INACSA)

Acetate	La Batlloria, Barcelona (yarn)

INDUSTRIAS QUIMICAS TEXTILES S.A. (INQUITEX)

Nylon 6	Andoain, Guipuzcoa *Carbyl, Nylhair, Trinyl* (yarn & staple)

LA SEDA DE BARCELONA, S.A.

Nylon 6	Alcalá de Henares, Madrid *Dayan, Enkalon* (yarn & staple)
Polyester	Prat de Llobregat, Barcelona *Terlenka* (yarn & staple)
Rayon	Prat de Llobregat (ind & reg yarn)

SPAIN (continued)

MONTEFIBRE HISPAÑIA S.A.

Acrylic	Miranda de Ebro, Burgos *Leacril* (staple)

NUREL S.A.

Nylon 6	Záragoza, Záragoza *Nurel* (yarn)
Polyester	Záragoza *Terylene* (yarn & staple)

SOCIEDAD ANONIMA DE FIBRAS ARTIFICIALES (SAFA)

Nylon 66	Blanes & San Julian de Ramis, Gerona *SAFA* (yarn & staple)
Polyester	Blanes *Tergal, Teriber* (yarn & staple)

SOCIEDAD NACIONAL DE INDUSTRIAS APLICACIONES CELULOSA ESPAÑOLA, S.A. (SNIACE)

Nylon 6	Torrelavega, Santander *Lilion* (yarn & staple)
Rayon	Torrelavega (staple)

OLEFIN FIBER

PAULAR, S.A. - EMPRESA PARA LA INDUSTRIA QUIMICA Puertollano, C.R. *Istrakin* (P monofil & film)

PROFILEX (P staple)

PROPILAN (P staple)

SERINA TEXTIL (P staple)

SOCIEDAD ANONIMA ITALO ESPAÑOLA (SAITES) Sabadell, Barcelona (P staple & film)

TEXTILE ARMENGOL Bruch, Barcelona (P staple & film)

OLEFIN FILM FIBER, only

CONDEROLS S.A. Granada

CORDELERIAS BARAS S.A. Gijon, Asturias

CORDELERIAS MAR S.A. Vigo, Pontevedra

HILATURAS Y CORDELERIA S.A. - "HILCOSA" Barcelona

HIRESA Callosa de Segura, Alicante

YUTE INDUSTRIAL S.A. Valéncia

GLASS FIBER

CRISTALERIA ESPAÑOLA - DIVISION FIBRA DE REFUERZO Alcalá de Henares, Madrid *Fibra de Refuerzo VETROTEX*

SRI LANKA

CEYLON PETROCHEMICAL CORPORATION

Nylon 6	Sapugaskan (yarn & monofil)

SWEDEN

SONESSON PLAST AB •

Nylon 6/66	Malmö (monofil)

SVENSKA RAYON AKTIEBOLAGET

Rayon	Alvenäs, Valberg (reg yarn & staple)

OLEFIN FIBER

SONESSON PLAST AB Malmö *Laveten* (E & P monofil)

GLASS FIBER

SCANDINAVIAN GLASFIBER AKTIEBOLAG Falkenberg

SWITZERLAND

EMS INDUSTRIES, LTD.

Nylon 6	Ems, Graubünden *Grilon* (staple)
Polyester	Domat/Ems *Grilene* (staple)

NOYFIL S.A.

Nylon 6	Stabio (yarn)
Polyester	Stabio (yarn)

VISCOSUISSE A.G.

Nylon 6/66	Emmenbruecke, Luzern & Widnau, St. Gallen *Nylsuisse, Flixor* (yarn & staple)
Polyester	Widnau *Tersuisse* (yarn)

OLEFIN FILM FIBER, only

AROVA SCHAFFHAUSEN A.G. Schaffhausen

VOGT & CO. Reinach

TAIWAN

BAN SHIN FIBER CO., LTD.

Nylon 6	Kaohsiung *Sun & Colorful Seal* (yarn)

CENTURY EVERGREEN CORP.

Polyester	Tainan *Centuron* (yarn)

CHENTA CHEMICAL INDUSTRIAL CORPORATION

Nylon 6	Kaohsiung *Rabbit* (yarn)

CHI YURN FIBER MILLS

Nylon	Tao Yuan (staple)

CHINA MAN-MADE FIBER CORPORATION

Rayon	Tou Fen *Queen* (reg yarn & staple)

CHUNG SHING TEXTILE CO., LTD.

Nylon 6	Tao Yuan *Tasinlon, Threegun* (yarn)
Polyester	Tao Yuan *Tasinlon* (yarn & staple)

FAR EASTERN LTD.

Polyester	Hsin Chu *Eastlene, Eastlon* (yarn & staple)

TAIWAN (continued)

FORMOSA CHEMICALS & FIBER CORPORATION
(part of Formosa Plastics Group)

Nylon 6	Chang Hwa *Sunylon* (yarn)
Rayon	Chang Hwa *Tarsiyon* (reg yarn & staple)

FORMOSA PLASTIC CORPORATION - Tairylan Plant
(part of Formosa Plastics Group)

Acrylic	Kaohsiung & Lanchu *Tairylan* (staple, tow & tops)

FUPONT SYNTHETIC INDUSTRIAL CO.

Nylon 6	Tao Yuan *Full-long* (yarn)

HUALON CORPORATION

Nylon 6	Chungho, Tao Yuan & Tou Fen (yarn)
Polyester	Chungho, Tou Fen & Yim Kao *Hualon* (yarn & staple)

HUNG CHOU CHEMICAL INDUSTRY COMPANY, LTD.

Polyester	Kwei Shan *Hunvira* (yarn)

JANG DAH NYLON INDUSTRIAL CORP., LTD.

Nylon 6	Hsin Tien *Yuan Pao* (yarn)

NAN-YA PLASTIC CO., POLYESTER FIBER DIVISION (part of Formosa Plastics Group)

Polyester	Tai Shan *Tairilin* (yarn & staple)

SAN YUAN HSING ENTERPRISE COMPANY

Nylon 6	Kaosiung (monofil - captive)

SHINKONG SYNTHETIC FIBERS CORPORATION

Polyester	Tao Yuan *Shinlon* (yarn & staple)

SYNTHETIC FIBER MILLS CORPORATION

Nylon 6	Tao Yuan *Synlon* (yarn)

TA MING FIBERS INDUSTRIAL CORPORATION

Nylon 6	Tao Yuan *Ta Ming Nylon* (yarn)
Polyester	Tao Yuan *Poylon* (yarn)

TAINAN SPINNING CO., LTD.

Polyester	Tainan *Nanlon* (yarn)

TONG HWA SYNTHETIC FIBER CO., LTD.

Acrylic	Chu Pei *Townflower* (staple & tow)

TUNG HO SPINNING WEAVING & DYEING CO., LTD.

Polyester	Tainan *Pearlylene* (staple)

TUNTEX DISTINCT CORP.

Polyester	Hsin Su *Tuntex* (yarn)

UNITED SYNTHETIC FIBERS CORPORATION

Polyester	Tao Yuan *King Long* (staple)

VANLON FIBERS INDUSTRIAL CORPORATION

Nylon 6	Tao Yuan *Vanlon* (yarn)
Polyester	Tao Yuan *Vanlon* (yarn)

YU HO FIBER INDUSTRIAL CORPORATION

Polyester	Tao Yuan *Luxlen* (yarn)

TAIWAN (continued)

OLEFIN FIBER

CHIA YANG INDUSTRIAL CO., LTD. Hsi-Chih (P monofil)

CHIEN SUN PLASTIC INDUSTRIAL CO., LTD. Hsin-Chu (E & P film)

CHINA FOLEX CORPORATION Shih-Lin (E & P monofil)

CHUNG KUANG PLASTIC CO., LTD. Chang-Hua (E & P film)

FULLMARK INDUSTRIAL CO., LTD. Hsin-Chu (E & P monofil)

FUU WON CHEMICAL INDUSTRIAL CO., LTD. Tu-Chen (P yarn)

HSIEH CHIN FISHING NET COMPANY, LTD. Kaohsiung *Hsieh Chin* (E monofil - captive)

HUNG FENG ENTERPRISE CO., LTD. Yang-Mei (P monofil)

IEN YI FIBER INDUSTRIAL CO., LTD. Chi-Do Goble (E monofil)

JUI I CHEMICAL INDUSTRIAL CO., LTD. Tou-Yuan (E & P monofil)

KUO HSIANG ENTERPRISE CO., LTD. Yang-Mei (E & P monofil)

LIEN FU CHEMICAL COMPANY LTD. Tou-Fen (E & P monofil)

MEI LON FIBER CO., LTD. Chang-Hua (E monofil)

PAO TSUNG TAI INDUSTRIAL COMPANY LTD. Tainan (P film)

POLON FIBER INDUSTRIAL CO., LTD. Chung-Li (P monofil)

SAN YANG INDUSTRIAL COMPANY LTD. Nei Hu Hsiang (P film)

TAI YEE CHEMICAL INDUSTRIAL CO., LTD. Chung-Li (E & P monofil)

UNITED FIBER INDUSTRIAL CO., LTD. Chung-Li (E & P monofil)

YAO CHENG PLASTIC CO., LTD. Pan-Chiao (P yarn)

TANZANIA

SUN FLAG TEXTILE KNITWEAR MILLS LTD.

Polyester	Arusha (yarn)

THAILAND

ASIA FIBER CO., LTD.

Nylon 6	Samut Prakam *AFC* (yarn)

HANTEX CORPORATION LTD.

Nylon 6	Mahacha, Samut Sakorn (yarn)

THAILAND (continued)

ORIENTAL FIBRE

Polyester	Samut Sakorn (yarn)

TEIJIN POLYESTER (THAILAND) LTD.

Polyester	Pathumthani, Bangkok *TEIJIN TETORON* (yarn & staple)

THAI MELON POLYESTER CO. LTD.

Polyester	Pathumthani, Bangkok (yarn & staple)

THAI RAYON CO., LTD.

Rayon	Ang Thong (staple)

TORAY NYLON THAI COMPANY

Nylon 6	Bangkhen, Bangkok *TNT* (yarn & monofil)
Polyester	Bangkhen *TNT* (yarn)

TURKEY

AKRILIK KIMYA SANAYII A.S. (AKSA)

Acrylic	Yalova *Aksa* (staple)

FILAMENT SENTETIK IPLIK VE ELYAF SANAYII A.S.

Polyester	Bursa *Filament* (yarn & staple)

GEMLIK SUNI IPEK VE VISKOZ MAMULLERI SANAYII MÜESSESESI (GEMLIK ARTIFICIAL SILK & VISCOSE PRODUCTS INDUSTRY) (Operated by the Sumerbank)

Rayon	Gemlik (yarn & staple)

INSA ISTANBUL NAYLON SANAYII A.S.

Nylon 6	Istanbul *Islon* (yarn)
Polyester	Istanbul (yarn)

M.N. SABUNCU

Polyester	Adana *MNS* (yarn) (idle)

NERGIS A.S.

Polyester	Bursa (yarn)

POLYLEN SENTETIK IPLIK SANAYII A.S.

Polyester	Bursa *Polylene* (yarn)

SANCAK TÜL SANAYII LTD., STI.

Polyester	Istanbul *Lalelen* (yarn) (idle)

SASA SUNI VE SENTETIK ELYAF SANAYII A.S.

Polyester	Adana *Perilon* (yarn & staple)

SENTETIK IPLIK FABRIKALARI, A.S. (SIFAS) (SYNTHETIC YARN FACTORIES CORPORATION)

Nylon 6	Bursa *SIFAS* (yarn & staple)
Nylon 66	Bursa (yarn)
Polyester	Bursa (yarn & staple)

SISAS

Polyester	Canakkale* (yarn)

TEKSTIPLIK SANAYII VE TICARET A.S.

Nylon 6	Edirne *Dimlon* (yarn)

TURKEY (continued)

YALOVA ELYAF VE IPLIK SANAYII VE TICARET A.S.

Acrylic	Yalova *Yalova* (staple & tow)
Modacrylic	Yalova *Yalova* (staple & tow)

OLEFIN FIBER

BEZCI ELYAF SANAYII A.S. Istanbul

DINARSU ELYAF SANAYII A.S. Cerkezkoy, Tekirdag (P staple)

ELSAN ELYAF SANAYII VE TICARET A.S. Istanbul (P staple)

HALICIOGLU ELYAF SANAYII A.S. Haskoy, Istanbul (P staple)

SESAS ELYAF SANAYII A.S. Istanbul

GLASS FIBER

CAM ELYAF SANAYII A.S. Cayirova-Gebze (Izmit)

UNION OF SOVIET SOCIALIST REPUBLICS

RAYON PLANTS reported at:
Balakovo, Barnaul, Cherkassy (Ukraine), Kalinin, Kamensk, Kiev, Klin, Krasnoyarsk, Leningrad, Mogilev, Ryazan, Saratov, Sokol, Sverdlovsk and Svetlogorsk.
ACETATE PLANTS reported at:
Engels, Fergana, Kaunas, Kirovakan and Moscow.
NYLON PLANTS reported at:
Barnaul, Chernigov, Daughavpils, Engels, Grodno, Kemerovo, Kiev, Klin, Leningrad, Rustavi, Shchekino and Zhitomer.
NONCELLULOSIC FIBER PLANTS reported at:
Kursk (polyester), Blagoveshchensk (polyester*), Kustanay (vinyon), Minsk (polyester), Mogilev (polyester), Navoi, Polotsk and Saratov(acrylic+modacrylic), Svetlogorski (polyester).
GLASS FIBER PLANTS reported at:
Astrakhan, Kalinin, Khabarovsk, Leningrad, Mingechaur, Moscow, Polotsk, Salavat, Saratov, Sevan and Severodonetsk.

UNITED KINGDOM

COURTAULDS FIBRES LTD.

Acrylic	Grimsby, Lincolnshire *Courtelle* (staple & tow)
Modacrylic	Coventry, West Midlands *Teklan* (staple & tow)
Rayon	Grimsby (staple & tow)
Acetate	Coventry; Spondon, Derbyshire *Dicel* (yarn, staple & tow)
Triacetate	Coventry & Spondon *Tricel* (yarn & staple)

DEAN DOVE LTD.

Polyester	Stanley, Durham (yarn)

DU PONT (U.K.) LTD.

Spandex	Maydown, Londonderry, N. Ireland *Lycra* (fused multifil)

ECTONA FIBRES LTD.

Acetate	Siddick, Workington (cigarette tow)

UNITED KINGDOM (continued)

HOECHST FIBRE INDUSTRIES U.K. LTD.

Polyester	Limavady, Londonderry, N. Ireland *Trevira* (yarn & monofil)

ICI FIBRES (a division of Imperial Chemical Industries PLC)

Biconstituent	Pontypool, Gwent , Wales; Workington; Cumbria *Cambrelle, Floratex, Terram* (melded fabrics)
Nylon 66	Doncaster, Yorkshire; Gloucester, Gloucestershire; & Pontypool *Bri-Nylon, Counterstat, Limbaki, Pavanne, Qazul, Quintesse,Tactel,Timbrelle* (yarn, staple & tow)
Polyester	Pontypool & Wilton, Yorkshire *Limbaki, Mitrelle, Terinda, Terylene* (yarn, staple & tow)

NYMOFIL PLC

Nylon 6 & 66	Poulton-le-Fylde, Lancashire (monofil)
Polyester	Poulton-le-Fylde (monofil)

PERI-LUSTA PLC

Nylon 6/66	Leek, Staffordshire (monofil)

OLEFIN FIBER

BELFAST ROPEWORK CO. PLC Belfast, N. Ireland *Bluebell* (E & P monofil, P yarn, staple & film)

CROMPTON AND BROTHERS Bury, Lancashire (P staple)

DON FIBRES PLC Forfar, Angus, Scotland (P yarn, monofil, staple & film)

F. DRAKE (FIBRES) LTD Golcar, Huddersfield, Yorkshire *Gymlene* (P staple)

F. DRAKE & CO. OF GOLCAR LTD. Golcar, Huddersfield (P yarn)

FLEMING'S ROPE & TWINES (WOOLSTON) PLC Warrington, Lancashire (P monofil)

HALL'S BARTON ROPERY LTD. Hull, Yorkshire (P film and E & P monofil)

THE HAWKINS AND TIPSON GROUP Hailsham, East Sussex (P staple & film)

McCLEERY L'AMIE GROUP PLC Belfast, N. Ireland (P yarn)

PLASTICISERS LTD. Drighlington, Yorkshire *Drylene* (E monofil); *Charisma, Duron, Fibrite, Tritor* (P yarn, monofil, film & staple)

POLYOLEFINE FIBRES & ENGINEERING LTD. Bradford, Yorkshire *Downspun* (P staple)

SAMSON YARNS Saintfield, N. Ireland (P yarn)

OLEFIN FILM FIBER, only

AGRIPAC (DUNDEE) LTD. Dundee, Angus, Scotland

UNITED KINGDOM (continued)

AMOCO FABRICS & FIBERS CO., DIVISION OF AMOCO (U.K.) PLC Consett, Durham

BONAR TEXTILES Dundee, Angus, Scotland

BRIDON FIBRES & PLASTICS LTD. Gateshead & Sunderland, Durham & Wallsend, Northumberland *Broplene, Red Star, Viking*

POLYTAPE PLC Dundee, Angus, Scotland *Propafil, Propatape*

ROKO CONTAINERS LTD. Nottingham

ROTHES PLASTICS PLC Glenrothes, Fife, Scotland

SCOTT & FYFE LTD. Tayport, Fife, Scotland

SMITH & NEPHEW TEXTILES LTD. Newhey, near Rochdale, Lancashire *Polyweave*

SYNTHETIC INDUSTRIES (IRELAND) LTD. Newry, Down, N. Ireland

TALBOT WEAVING CO. LTD. (Subsidiary of Courtaulds PLC) Chorley, Lancashire

GLASS FIBER

FIBREGLASS PLC (Subsidiary of Pilkington Brothers PLC) Wrexham, Clwyd, Wales *Fibreglass*

T GLASS FIBRES PLC Camberley, Surrey & Hindley Green, Lancashire

FIBREGLASS-REGINA, a joint venture of FIBREGLASS PLC and the BBA GROUP PLC, is producing textile glass tissue (voile) at Liversedge and St. Helens, Merseyside.

UNITED STATES OF AMERICA

ALBANY INTERNATIONAL - MONOFILAMENT PLANT •

Fluoro	Homer, NY *Halar, Kynar, Teflon, Tefzel* (monofil)
Nylon 6, 66 & 612	Homer (monofil)
Polyester	Homer (monofil - regular & hydrolysis-resistant)

ALLIED/SIGNAL FIBERS DIVISION •

Nylon 6	Columbia, SC & Chesterfield, VA *A.C.E., Anso, Anso-IV, Anso IV HP, Anso-Tex, AnsoV Worry-Free, Anso X, Capima, Caprolan, Caprolan 2000, Caprolan 2000 Sea Gard, Captiva, Compet, Creme De Captiva, Hydrofil, Patina, TEC* (yarn, monofil & staple)
Polyester	Moncure, NC *A.C.E., Compet* (yarn & monofil)

AMERICAN CYANAMID COMPANY, FIBERS DIVISION

Acrylic	Milton, FL *Creslan* (staple & tow)

UNITED STATES OF AMERICA (continued)

AMETEK INC., SPECIAL FILAMENTS DIVISION •

Nylon 6, 66, 612 & 11	Odenton, MD (monofil)
Polyester	Odenton (monofil)
Saran	Odenton (monofil)

AVTEX FIBERS INC. •

Polyester	Lewistown, PA *Avlin* (yarn)
Rayon	Front Royal, VA (ind yarn & staple)

BASF CORPORATION FIBERS DIVISION

Acrylic	Williamsburg, VA *Zefran, Zefkrome* (staple)
Nylon 6	Enka, NC, Anderson & Central, SC and Lowland, TN *Crepeset, Vivana, Zefsport, Zeftron, Zeftron 500,* (yarn & staple)
Polyester	Lowland *Golden Glow, Golden Touch, Silky Touch, Strialine, Ultra Touch* (yarn)
Rayon	Lowland *Zanaire™, Zankare, Zankrome™, Zantrel* (staple)

BERKLEY & CO., INC. •

Nylon 6	Spirit Lake, IA (monofil)

CAMAC CORPORATION •

Nylon 6	Bristol, VA *Camalon* (yarn)

CELANESE FIBERS, INC.

Acetate	Rock Hill, SC Celriver & Narrows, VA (Celco) (yarn, staple & tow)
Polyester	Fayetteville, Salisbury & Shelby, NC and Darlington & Greenville, SC *Angelette, Ceylon, Comfort Fiber, ESP, Fortrel, Loftguard, PolarGuard, Serene, Superba* (yarn, staple, tow & fiberfill)
PBI	Rock Hill (staple)

COLOR-FI, INC.

Nylon	Sumther & Trenton, SC (staple & tow)
Polyester	Sumther & Trenton (staple & tow)

CORTLAND LINE COMPANY

Nylon 6	Cortland, NY (monofil - captive)

COURTAULDS NORTH AMERICA INC.

Nylon 6	Le Moyne, Mobile County, AL *Courtaulds, Shareen* (yarn & monofil)
Rayon	Le Moyne (staple)

E.I. DU PONT DE NEMOURS & COMPANY (INC.) •

FABRICATED PRODUCTS DEPARTMENT

Nylon 6, 66, 612 & Polyester	Parkersburg, WV *Dacron, Dymetrol, Tynex, Vylor* (monofil of 0.002 in. diameter and greater)

TEXTILE FIBERS DEPARTMENT •

Acrylic	Camden, SC & Waynesboro, VA *Orlon* (staple & tow)
Aramid	Richmond, VA *Kevlar* (yarn), *Nomex* (yarn, staple & tow)

UNITED STATES OF AMERICA (continued)

TEXTILE FIBERS DEPARTMENT (continued) •

Nylon 66	Seaford, DE, Camden, SC, Chattanooga, TN and Martinsville, Richmond & Waynesboro, VA *Antron, Cantrece, Cordura, Du Pont, Hyten, Supplex* (yarn, monofil, staple & tow)
Polyester	Kinston & Wilmington, NC, Camden & Charleston, SC and Chattanooga & Old Hickory, TN *Dacron, Hollofil* (yarn, staple, tow & fiberfill), *Sontara* (spunlaced)
Spandex	Waynesboro *Lycra* (fused multifill or coalesced monofil)

EASTMAN KODAK COMPANY - TENNESSEE EASTMAN COMPANY

Acetate	Kingsport, TN (yarn)
Polyester	Kingsport, TN *Kodel* (yarn & staple)

CAROLINA EASTMAN COMPANY

Polyester	Columbia, SC *Kodel* (yarn & staple)

FIBER INDUSTRIES, INC. - See Celanese Fibers

FIRESTONE FIBERS & TEXTILES COMPANY, DIVISION OF FIRESTONE TIRE & RUBBER COMPANY

Polyester	Hopewell, VA (yarn)

FOSS MANUFACTURING CO., INC. •

Polyester	Haverhill, MA (staple - captive)

GLOBE MANUFACTURING CO.

Spandex	Fall River, MA & Gastonia, NC *Cleerspan, DC-*$_{100,}$ *DC-*$_{700}$ *Glospan* (fused multifil)

THE GOODYEAR TIRE & RUBBER COMPANY, CHEMICAL DIVISION

Polyester	Scottsboro, AL & Point Pleasant, WV (yarn - captive)

GUILFORD MILLS, GAINESVILLE DIVISION

Nylon 6	Gainesville, GA (yarn & monofil - captive)

HANOVER MILLS, INCORPORATED (subsidiary of Falk Fibers & Fabrics, Inc.)

Nylon 6	Yanceyville, NC *Hanover* (yarn & monofil)

HOECHST CELANESE CORPORATION

Polyester	Spartanburg, SC *Trevira* (yarn, monofil, staple & spunbonded)

JOHNSON FILAMENTS, INC. • (subsidiary of JWI Ltd.)

Nylon 6/66	Williston, VT (monofil)
Polyester	Williston (monofil)

KAYSER-ROTH HOSIERY INC. YARN PROCESSING DIVISION

Nylon 66	Creedmoor, NC (yarn - captive)

MKS COMPANY

Polyester	Elizabethton, TN (staple)

UNITED STATES OF AMERICA (continued)

MONOFILAMENTS, INC.

Nylon 6/66	Waynesboro, VA (monofil)
Polycarbonate	Waynesboro (monofil)
Polyester	Waynesboro (monofil)

MONSANTO COMPANY
MONSANTO FIBERS AND INTERMEDIATES CO.

Acrylic	Decatur, AL *Acrilan, Bi-Loft, Fi-Lana, Fondelle, Pa-Qel, Remember, So-Lara* (staple & tow)
Modacrylic	Decatur *SEF* (staple & tow)
Nylon 66	Pensacola, FL & Greenwood, SC *Ultron* (yarn, monofil & staple)

MONSANTO PLASTICS AND POLYMERS COMPANY

Nylon 66	Pensacola *Astro Turf* (recreational & land scaping surfaces)

NORTH AMERICAN RAYON CORPORATION

Rayon	Elizabethton, TN (ind & reg yarn & tow)

SHAKESPEARE MONOFILAMENT DIVISION •

Nylon 6/66 & 610	Columbia, SC (monofil)
Polyester	Columbia (monofil)

STAR FIBERS, INC.

Nylon 6	Edgefield, SC *Starbrite* (staple)

SUNSHINE CORDAGE CORPORATION •

Nylon 6	Miami, FL *Sunylon* (yarn)

TOLARAM FIBERS, INC.

Polyester	Ansonville & Asheboro, NC (yarn)

UNIVERSAL POLYMER PRODUCTS CORPORATION
(subsidiary of Falk Fibers & Fabrics, Inc.)

Polyester	Fuquay-Varina, NC (yarn & monofil)

WELLMAN, INC., MAN-MADE FIBER DIVISION

Nylon 6 & 66	Johnsonville, SC *Wellon, Wellstrand* (staple, tow & tops)
Polyester	Johnsonville *Fillwell, Wellene, Wellstrand* (staple & tow)

YKK ZIPPER CO.

Polyester	Macon, GA (yarn)

OLEFIN FIBER

ACS INDUSTRIES, INC. Woonsocket, RI (P yarn & multifill)

ALADDIN MILLS, INC. Dalton, GA (P yarn)

ALBANY INTERNATIONAL - MONOFILAMENT PLANT Homer, NY (P monofil)

ALLIED/SIGNAL, FIBERS DIVISION Chesterfield, VA *Spectra-900, Spectra-1000* (E yarn)

AMERICAN MANUFACTURING COMPANY
LAFAYETTE ROPE DIVISION Lafayette, LA *Amco, American, Bondtie, Floterope* (E & P monofil)

UNITED STATES OF AMERICA (continued)

AMERICAN POLYCRAFT Dalton, GA (P yarn & film)

AMETEK INC., SPECIAL FILAMENTS DIVISION Odenton, Md (E & P monofil)

AMOCO FABRICS & FIBERS COMPANY Andalusia & Roanoke, AL, Bainbridge, Hazlehurst & Nashville, GA, Salisbury, NC & Afton, VA *Amoveve, Condesa, Marquésa Lana, Patlon, Patlon Plus, Propex III, Sonatex, Synera* (P yarn, monofil, film & staple)

ARLIN MFG. CO., INC. Lowell, MA (P film)

ARMSTRONG WORLD INDUSTRIES, INC. Charlotte, NC (P film - captive)

AVTEX FIBERS INC. Front Royal, VA (P staple)

BEAULIEU OF AMERICA Dalton, GA (P yarn)

BERKLEY & CO. INC. Spirit Lake, IA (E & P monofil - captive)

BLUE MOUNTAIN EXTRUSIONS Anniston, AL *Gold Medal, Poly Autotwine, Poly Macramé, Polylasting, TY-EZ Polytape, Tylon, Tytite* (E & P film)

BRIDON CORDAGE INC. Albert Lea, MN (P film)

BURLINGTON, INC. Greensboro, NC (P yarn)

CAMAC CORPORATION Bristol, VA (P yarn)

CHASE BAG COMPANY Portland, OR (P film & industrial goods)

CIRTEX Dalton, GA (P film)

COLUMBIAN ROPE COMPANY Guntown, MS *Polypro 6* (E & P monofil & film)

CONCORDE FIBERS, INC. Jamestown, SC (P yarn)

CROWE ROPE COMPANY Warren, ME *Crowelon* (P monofil & film)

CUMBERLAND MILLS, INC. Dalton, GA (P yarn)

CUTLASS CARPET CO. Dalton, GA (P yarn)

DIAMOND MILLS, INC. Eton, GA (P yarn & film)

DORSETT CARPET MILLS INC. Chatsworth, GA (P yarn)

E.I. DU PONT DE NEMOURS & COMPANY (INC.),
TEXTILE FIBERS DEPT. Richmond, VA *Tyvek* (E spunbonded)

ELIZABETH WEBBING MILLS CO., INC. Central Falls, RI (P yarn & film)

ENSIGN-BICKFORD INDUSTRIES, INC., FILM FIBERS DIVISION Simsbury, CT (P film)

EXXON CHEMICAL AMERICAS, INDUSTRIAL TEXTILES DIVISION Kingman, KS & Summerville, SC (P monofil & film)

UNITED STATES OF AMERICA (continued)

FIBERS & FABRICS OF GEORGIA, INC. (subsidiary of Georgia Synthetics, Inc.) Elberton, GA (E & P yarn, monofil & multifil)

FIBRES SOUTH, INC. Trussville, AL *Polystar, Trustite, Tyrite* (P film, monofil & staple)

FILAMENT FIBER TECHNOLOGY INCORPORATED Lakewood, NJ (P yarn)

FNT INDUSTRIES INC. Menominee, MI (E monofil)

FOSS MANUFACTURING CO., INC. Haverhill, MA (P staple - captive)

GENERAL FIBERS & FABRICS, INC. La Grange, GA (P film)

GEORGIA SYNTHETICS, INC. Elberton, GA (E & P yarn, monofil & film)

GFF HOLDING COMPANY (formerly N.S.I., INC.) La Grange, GA (P film - captive)

HERCULES INCORPORATED, HERCULES ENGINEERED POLYMERS COMPANY Oxford, GA *Herculon* (P yarn & staple)

THE HOOVEN & ALLISON COMPANY Xenia, OH (P film)

INTEGRATED PRODUCTS, INC. Rome, GA (P staple)

J & J INDUSTRIES Dalton, GA (P yarn)

JAMES RIVER CORPORATION (formerly Crown Zellerbach Corp.) Washougal, VA (P spunbonded)

JOHNSON FILAMENTS Williston, VT (P monofil)

KIMBERLY-CLARK CORPORATION Corinth, MS, Balfour, NC, La Grange, GA & Neenah, WI *Accord, Duraguard, Evolution* (P spunbonded);*Cyclean, Evolution III* (P spunbonded/meltblown & laminate)

LAMBETH CORPORATION New Bedford, MA *Lambeth* (E & P monofil)

LAWRENCE HOSE COMPANY Burlington, NC (E monofil - captive)

LORETEX, DIVISION OF OIVIND LORENTZEN, INC. Guilderland Center, NY (E film - captive)

MIRAFI INC (subsidiary of Dominion Textiles) Moultrie, GA (P film - captive)

THE OSTERNECK COMPANY Lumberton, NC (P film)

PHILLIPS FIBERS CORPORATION (subsidiary of Phillips 66 Company) Rocky Mount, NC, Seneca & Spartanburg, SC *Marvess* (P yarn, staple & tow) *Ryton* (sulfar - staple)

POLYLOOM CORPORATION OF AMERICA Dayton, TN *Polyloom* (P film)

UNITED STATES OF AMERICA (continued)

RANGER TEXTILE CORP. (formerly Gladding Cordage Corp.) Syracuse, NY (P monofil)

SARLON INDUSTRIES, INC. Miami, FL (P monofil & film)

SHAKESPEARE MONOFILAMENT DIVISION Columbia, SC (P monofil)

SHUFORD MILLS, INC. Hickory, NC (P film)

SOLUTION FIBERS, INC. Lafayette, GA (P yarn)

SOUTHERN WEAVING, INC. Greenville, SC (P yarn)

STEVENS FIBER DIVISION, STEVENS LINEN ASSOC., INC. Dudley, MA (staple)

SUNBURST YARNS Afton, VA (P yarn)

SUNSHINE CORDAGE CORPORATION Miami, FL (E & P monofil)

SYNTHETIC INDUSTRIES Chickamauga & Dalton, GA (P film & staple - captive)

SYNTHETIC INDUSTRIES, FIBRON DIVISION Chattanooga TN *Fibri-Cord, Fibri-Knit, Fibri Lawn, Fibrilon* (P film)

TECHLON FIBERS CORPORATION Dalton, GA (P yarn)

TECHNOTRADE Dalton, GA (P yarn)

TRUSTITE DIVISION OF FIBRES SOUTH, INC. Clearfield, UT *Trustite, Tyrite* (P film)

TWINE PRODUCTS CORPORATION New Orleans, LA (P film)

UNITED STATES ROPE COMPANY Menlo Park, CA (P monofil)

WALL INDUSTRIES, INC. Granite Quarry, NC (E & P monofil)

WALTRICH PLASTIC CORPORATION Walthourville, GA (P monofil)

WAYN-TEX, INC. Waynesboro, VA *Beamette, Wayntuf* (E & P yarn & monofil & P film - captive)

WELLINGTON PURITAN MILLS (MONTAIR DIV.) Pilot Mountain, NC *Pur-Ty, Welltite* (P yarn & E & P monofil & film)

WELLINGTON SYNTHETIC FIBRES, INC. Leesville & Summerville, SC (P yarn & monofil)

TEXTILE PRODUCTS FROM OLEFIN

CALIFORNIA WEBBING (P yarn)

CONTINENTAL (P yarn)

CONWED CORP. Conwed Plastic Netting (P embossed film for netting)

UNITED STATES OF AMERICA (continued)

DICEY (P yarn)

E.I. DU PONT DE NEMOURS & COMPANY (INC.) (E & P embossed film for netting)

NALLE, INC. (P embossed film for netting)

RIEGEL PRODUCTS CORPORATION *Polyweb* (P meltblown)

THE 3M COMPANY (P spunbonded)

GLASS FIBER

CERTAINTEED CORPORATION, FIBER GLASS REINFORCEMENTS DIVISION Wichita Falls, TX *RO99, Satin Glass, Stichmat, Unifilo* (roving, woven roving, mat, chopped strand & combination product)

F.G.I. FIBERS, INC. Amsterdam, NY (roving & chopped)

GAF, BUILDING MATERIALS DIVISION Irwindale, CA (chopped), Nashville, TN (chopped)

GFT (GLASS FIBER TECHNOLOGY) Chester, SC (wet chopped for shingles)

LUNDY TECHNICAL CENTER Pompano Beach, FL *RoMHOglas* (metallized glass fiber roving, strand & mat)

MANVILLE CORPORATION Waterville, OH & Etowah, TN *Chop-Pak, Dura-Glass, Star Stran, Star Rov* (chopped strand, mat, sliver & roving)

NICOFIBERS INC. Shawnee, OH *Conformat, Consurmat, Surmat* (mat)

OMNI FIBER GLASS CORPORATION - DIVISION OF KOPPERS COMPANY Chino, CA (roving, chopped & milled)

OWENS-CORNING FIBERGLAS CORPORATION Huntingdon, PA, Aiken & Anderson, SC, Amarillo, TX *Araton, Beta, Bi-Ply, Fiberglas, S-Glass, S-2 Glass* (yarn, roving, woven roving, mat, chopped & milled)

PPG INDUSTRIES, INC., FIBER GLASS Lexington & Shelby, NC (yarn, roving, mat, chopped strand, woven roving & rubber reinforcement)

SUPERIOR GLASS FIBERS, INC. Bremen, OH (mat)

URUGUAY

HILADOS SINTETICOS S.A. (HISISA)

Nylon 66	Estacion Manga, Montevideo *Hisilon* (yarn)

POLIMEROS URUGUAYOS S.A.

Polyester	San José, San José (staple)

SINTETICOS SLOWAK S.A.

Nylon 6	Montevideo *Crofil* (yarn & monofil)

URUGUAY (continued)

SINTETICOS SLOWAK S.A. (continued)

Nylon 66	Montevideo *Hisilon* (yarn)
Polyester	Montevideo *Terpol* (yarn)

SUDAMTEX del URUGUAY S.A.

Acetate	Colonia (yarn)

OLEFIN FIBER

ARYN S.A. Montevideo (E monofil)

CINCA S.A. Montevideo (E film)

ELABORADORA DE ARPILLERA SINTETICA S.A. (E film)

VENEZUELA

C.A. INVERSIONES ARAGUA

Nylon 6	Maracay *Sudalon* (yarn)

GOMELAST, C.A.

Spandex	Caracas *Spandaven* (yarn)

HILADOS FLEXILON

Nylon 6	Caracas (yarn)
Polyester	Caracas (yarn)

MANTEX, C.A.

Acetate	Valencia (yarn)
Polyester	Maracay, Valencia *Fortrel* (yarn & staple)

SUDAMTEX DE VENZUELA, C.A.

Polyester	Maracay (yarn & staple)

YUGOSLAVIA

HEMTEKS

Polyester	Skopje, Macedonia *Maklen* (yarn & staple)

INCEL FABRIKA CELULOZE I VISKOZE

Polyester	Banja Luka, Bosna i Hercegovina *Belira* (yarn)
Rayon	Banja Luka (staple)

INDUSTRIJA SINTETICKIK VLAKANA (PROGRES)

Nylon 6	Prizren, Kosovo Mitohijan *Supralon* (yarn)
Polyester	Istok, Kosovo Mitohijan & Prizren *Prizrenit* (yarn)

KEMICNA TOVARNA MOSTE

Nylon 6	Ljubljana, Slovenia *Yulon* (yarn)

ORGANSKO HEMIJSKA INDUSTRIJA SKOPJE (OHIS)

Acrylic	Skopje, Macedonia *Makrolan, Malon* (staple)

TEKSTILNA INDUSTRIYA "ZELE VELJKOVIC"

Nylon 6	Leskovac* (yarn & staple)

VARAZDINSKI TEKSTILNI KOMBINAT (VARTEKS)

Polyester	Varazdin (staple)

YUGOSLAVIA (continued)

VISKOZA
Rayon Loznica, Serbia (ind & reg yarn & staple)

OLEFIN FIBER

HEMIJASKA INDUSTRIJA U OSNIVANJU Belgrade (P staple)

GLASS FIBER

GOSTIVAR STAKLARA Staklara (roving & mat)

WORLDWIDE MAN-MADE FIBER PRODUCER AFFILIATIONS & PERCENTAGE OF CAPITAL OWNERSHIP

Licensing and royalty agreements are not taken into account. The ownership of companies, other than man-made fiber producers, is not listed; e.g., weaving mills, chemical producers, etc.

For each country, the percentage following the first-named producer is the portion owned by the captioned company; the remainder of the entry shows other ownership. For example, Akzo N.V. owns 40% of Fibras Quimicas and Alfa-Group owns 60%.

AKZO N.V. (NETHERLANDS)

Brazil	Companhia Bahiana de Fibras 45%; others 55%
	Polyenka 51%; others 49%
Colombia	Enka de Colombia 49%; others 51%
Ecuador	Enkador 49%; others 51%
Germany, Fed. Rep.	Enka 97%; public 3%
India	Century Enka 40%; others 60%
Mexico	Fibras Quimicas 40%; Alfa-Group 60%
Netherlands	Enka 100%
	Silenka 33.33%; PPG Industries 33.33%; others 33.33%
Spain	La Seda 57%; others 43%

AMERICAN CYANAMID COMPANY (U.S.A.)

U.S.A.	Fibers Division 100%

AMOCO CHEMICALS CORPORATION (U.S.A.)

Australia	Amoco Fabrics & Fibers Co. 100%
Brazil	Amoco Fabrics & Fibers Co. 100%
Canada	Amoco Fabrics & Fibers Co. 100%
Germany, Fed. Rep.	Amoco Fabrics & Fibers Co. 100%
U.K.	Amoco Fabrics & Fibers Co. 100%
U.S.A.	Amoco Fabrics & Fibers Co. 100%

ASAHI CHEMICAL INDUSTRY CO. LTD. (JAPAN)

India	Baroda Rayon Corp. 1%; local interests 89%; others 10%
Indonesia	P.T. Indonesia Asahi Chemical 51%; others 19%; local interests 30%
Ireland	Asahi Synthetic Fibres (Ireland) 85%; others 15%
Japan	Asahi Chemical 100%
Korea, Rep. of	Tong Yang Polyester 50%; Tong Yang Nylon 50%

BASF CORPORATION

BASF Corporation owns 100% of BASF Corporation Fibers Division and owns 100% of BASF Fibres Inc.

BAYER A.G. (WEST GERMANY)

Belgium	Bayer Antwerpen N.V. 100%
Germany, Fed. Rep.	Bayer A.G. 100%
	Faserwerke Lingen G.m.b.H. 100%
Iran	Sherkat Sahami Aliaf 50%
Peru	Bayer Industrial S.A. 60%

COURTAULDS, PLC (U.K.)

France	Courtaulds S.A. 100%
Italy	Novaceta S.p.A. 50%; SNIA 50%
Spain	Courtaulds Fibres S.A. 100%
	INACSA 12%; public 88%
U.K.	Courtaulds Fibres Ltd. 100%
U.S.A./Canada	Courtaulds North America Inc. 100%

E. I. DU PONT DE NEMOURS & COMPANY (U.S.A.)

Argentina	Ducilo 82%; Bunge & Born 18%
Brazil	Du Pont do Brasil 100%
Canada	Du Pont Canada 75%; public 25%
Germany, Fed. Rep.	Du Pont de Nemours (Deutschland) 100%
Japan	Toyo Products 50%; Toray Industries 50%
Luxembourg	Du Pont Fibres 100%
Mexico	Nylon de Mexico 40%; Alfa-Group 51%; public 9%
Netherlands	Du Pont de Nemours (Nederland) 100%
U.K.	Du Pont (U.K.) 100%
U.S.A.	Textile Fibers Department 100%
	Polymer Products Department 100%

FIRESTONE TIRE & RUBBER COMPANY (U.S.A.)

Canada	Firestone Textiles Co. 100%
U.S.A.	Firestone Fibers & Textiles 100%

HARBOUR GROUP LTD. (U.S.A.)

U.K.	Synthetic Industries (Ireland) PLC 100%
U.S.A.	Fibron Corp. of Tennessee 100%
	Synthetic Industries, Inc. 100%
	Synthetic Industries (Texas), Inc. 100%

HERCULES INCORPORATED (U.S.A.)

Italy	Moplefan 50%; Montedison 50%
U.S.A.	Hercules 100%

HOECHST A.G. (WEST GERMANY)

Austria	Austrial Faserwerke; Hoechst Austria 51%; Lenzing 49%
Belgium	Celanese S.A. 100%
Brazil	Cia. Brasilera de Sintéticos 100%
Canada	Celanese Canada Inc. 56%; public 44%
Germany, Fed. Rep.	Hoechst 100%
	Zehlendorf 91%; others 9%
Mexico	Celanese Mexicana, S.A. 40%; public 60%
South Africa	Hoechst South Africa 100%
U.K.	Hoechst Fibre Industries 100%
U.S.A.	Hoechst Celanese Corporation 100%
	Celanese Fibers, Inc. 100%

IMPERIAL CHEMICAL INDUSTRIES LIMITED (U.K.)

ICI owns 62% of ICI Australia Ltd., which in turn owns Fibremakers Ltd. of Australia

Germany, Fed. Rep.	ICI Europa Fibres G.m.b.H. 100%
India	Chemicals & Fibres of India Ltd. 55%
Pakistan	ICI Pakistan Manufacturers 70%
Portugal	Finicisa-Fibras 50%; Francisco Fino Ltd. 50%
South Africa	S.A. Nylon Spinners (through AECI Ltd.) 40%
Spain	Nurel S.A. 50%; local interests 50%
U.K.	ICI Fibres 100%

KURARAY CO., LTD. (JAPAN)

Indonesia	Kuraray 40%; Marubeni 30%; local interests 30%
Japan	Kuraray 100%

MITSUBISHI RAYON (JAPAN)

Japan	Mitsubishi Acetate 100% Mitsubishi Rayon 100%
Portugal	FISIPE 4%; Mitsubishi Corp. 9%; Quimigal 87%
Taiwan	Tong Hwa 19%; Mitsubishi Corp. 12%; others 69%

MONTEFIBRE S.p.A. (ITALY)

Italy	Società Italiana Poliestere S.p.A. 100%; Società Italiana Prodotti Acrilici S.p.A. 100%, Industrie Tessili Vercelli S.p.A. 100%, Società Industriale Cremonese S.p.A. 50%; others 50%
Spain	Montefibre Hispania S.A. 87%; others 13%

OWENS-CORNING FIBERGLAS CORPORATION (U.S.A.)

Belgium	Owens-Corning Fiberglas Europe 100%
Brazil	OCFIBRAS 100%
Canada	Fiberglas Canada 49%; Duplate Canada 49%; local interests 2%
France	Owens-Corning Fiberglas Europe 100%
Japan	Asahi Fiber Glass 28%; Asahi Glass Co., Ltd. 72%
Mexico	Vitro-Fibras 40%; Vitro Group 60%
Norway	Owens-Corning Fiberglas Europe 70%; Elkem-Spigerverket 30%
Spain	Owens-Corning Fiberglas Europe 100%
Sweden	Owens-Corning Fiberglas Europe 100%
U.S.A.	Owens-Corning Fiberglas 100%

PPG INDUSTRIES (U.S.A.)

Netherlands	Silenka 33.33%; Akzo N.V. 33.33%; NOM 33.33%
U.S.A.	Fiber Glass Products 100%

PILKINGTON BROTHERS (U.K.)

Argentina	VASA 99.7%; Glaverbel/Boussois/local interests 0.3%
India	Fibreglass Pilkington 50%, plus 1 share; Indian interests 50%, less 1 share
South Africa	Fibreglass South Africa 24.5%; Owens-Corning Fiberglas (U.S.A.) 24.5%; Plate Glass & Shatterprufe Industries Ltd. 51%
U.K.	Fibreglass PLC 100%

RHÔNE-POULENC S.A. (FRANCE)

Argentina	Rhodia Argentina Qúimica e Tôxteis 100%
Brazil	Rhodia S.A. 100%; Rhodia Nordeste 99%
France	Rhône-Poulenc-Textile 99.9%; Rhône-Poulenc Fibres 100%; Cellatex 100%; Rhovyl 100%
Germany, Fed. Rep.	Rhodia A.G. 100%
Spain	SAFA 60%
Switzerland	Viscosuisse (through Holva AG) 87%

SAINT-GOBAIN (FRANCE)

France	Saint-Gobain Industries 100%
Germany, Fed. Rep.	Gevetex-Textilglas 100%
Italy	Vetrotex Italia 100%
Spain	Cristaleria Espanola S.A. 69%
U.S.A.	CertainTeed Corp. 55%; others 45%

SNIA FIBRE (ITALY)

France	Ets. Nysam 100%
Italy	Novaceta 50%; Courtaulds (U.K.) 50%

TEIJIN LTD. (JAPAN)

Indonesia	P.T. Tifico 65.8%; Toyo Menka 16.5%; local interests 17.7%
Japan	Teijin 100% Teijin Acetate 100%
Korea , Rep. of	Sunkyung Fibres 5.5%; local interests 94.5%
Thailand	Teijin Polyester 45%; local interests 55%

TORAY INDUSTRIES, INC. (JAPAN)

Indonesia	P.T. Indonesia Toray Synthetics 59%; others 41%
Japan	Toray Industries 100%; Toray-Monofilament 100%; Toray-DuPont 50%, DuPont 50%
Korea, Rep. of	Cheil Synthetic Textiles 22.8%; others 77.2% Kolon Industries 19.3%; others 80.7%
Malaysia	Penfibre SDN. Berhad 100%
Thailand	Toray Nylon Thai 30%; others 70%

WELLMAN, INC. (U.S.A.)

Ireland	Wellman International 100%
U.S.A.	Man-Made Fiber Division 100%

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TABLE 10:
SELECTED U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION BY COUNTRY OF ORIGIN

THOUSAND POUNDS

ITEMS & COUNTRY	1987												YEAR TO DATE	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1987	1986
CELLULOSIC YARN, MONOFIL & STRIPS														
BRAZIL	86	29	0	28									143	191
CANADA	425	368	175	323									1291	1148
GERMANY, FED. REP. OF	442	229	561	363									1595	2143
JAPAN	209	10	39	39									297	211
KOREA, REP. OF	1	0	0	0									1	300
MEXICO	3	15	10	102									130	257
NETHERLANDS	101	43	105	147									396	776
ALL OTHER COUNTRIES [a]	0	141	1	43									185	707
TOTAL CELLULOSIC YARN	1267	835	891	1045									4038	5733
CELLULOSIC STAPLE+TOW														
AUSTRIA	0	40	0	0									40	385
CANADA	749	1188	1356	1230									4523	3430
JAPAN	59	168	168	18									413	454
MEXICO	0	0	0	0									0	542
UNITED KINGDOM	46	5	73	24									148	293
ALL OTHER COUNTRIES [b]	131	23	63	106									323	506
TOTAL CELLULOSIC STAPLE+TOW	985	1424	1660	1378									5447	5610
NONCELLULOSIC YARN, MONOFIL & STRIPS														
AUSTRALIA	4	19	17	5									45	49
AUSTRIA	0	17	6	5									28	239
BELGIUM	1408	1377	559	560									3904	3881
CANADA	890	1976	1613	1605									6084	3861
COSTA RICA	729	515	642	589									2475	1867
FRANCE	686	685	659	648									2678	2022
GERMANY, FED. REP. OF	1744	2397	2421	2740									9302	4565
IRELAND	81	58	0	0									139	88
ISRAEL	162	233	90	249									734	1232
ITALY	1202	866	1292	1254									4614	3372
JAPAN	964	570	670	661									2865	2911
MEXICO	1167	2037	2527	1939									7670	3199
NETHERLANDS	93	184	151	99									527	322
ROMANIA	32	0	25	24									81	135
SOUTH AFRICA	88	0	0	0									88	2882
SWITZERLAND	253	+	64	2									319	151
TAIWAN	14	2	63	46									125	266
UNITED KINGDOM	735	39	844	894									2512	1742
ALL OTHER COUNTRIES [c]	172	785	253	174									1384	591
TOTAL NONCELLULOSIC YARN	10424	11760	11896	11494									45574	33375
NONCELLULOSIC STAPLE+TOW														
AUSTRALIA	0	0	0	0									0	94
BELGIUM	21	36	18	18									93	139
BRAZIL	0	438	236	379									1053	117
CANADA	3125	3071	3201	2248									11645	7793
FRANCE	955	588	532	585									2660	3725
GERMANY, FED. REP. OF	2586	2611	2194	2463									9854	11378
IRELAND	109	0	0	0									109	82
ISRAEL	62	0	31	0									93	251
ITALY	2265	1616	2200	980									7061	6014
JAPAN	1849	1623	2230	2472									8174	7138
KOREA, REP. OF	935	844	655	614									3048	1486
MEXICO	1586	1554	1784	824									5748	4390
ROMANIA	372	86	590	88									1136	456
SOUTH AFRICA	0	0	0	0									0	193
SWITZERLAND	71	139	198	89									497	208
TAIWAN	1911	1487	1338	2580									7316	7764
UNITED KINGDOM	777	1280	1522	1264									4843	8581
ALL OTHER COUNTRIES [d]	133	108	265	344									850	846
TOTAL NONCELLULOSIC STAPLE+TOW	16757	15481	16994	14948									64180	60655

+ Nominal quantity.

Other countries supplying 1987 quantities are:

a. Austria 181, France 3, Belgium 1.

b. Italy 198, Sweden 91, Germany, Fed. Rep. of 23, France 7, Finland 3, Belgium 1.

c. Yugoslavia 596, Singapore 183, Korea, Rep. of 104, China,PRC 94, Denmark 93, Finland 61, Argentina 55, Spain 44, Turkey 39, Morocco 33, Norway 32; Philippines 27, Chile 14, Thailand 4, Brazil 3, Greece 1, Iceland 1, Hong Kong.

d. Austria 332, Malaysia 238, Denmark 116, Costa Rica 51, Hong Kong 40, Turkey 37, China,PRC 17, Netherlands 16, Portugal 2, Sweden 1, Philippines.

TABLE 11:
U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/87	1987												YEAR TO DATE	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1987	1986
CELLULOSIC FIBERS															
YARN - SINGLES															
TEXTURED	310.0106 & .0206	29	139	0	45									213	87
OTHER	310.0130 & .0230[a]	1237	691	891	1000									3819	5295
MONOFILAMENTS	309.0310 & .0610	0	5	0	0									5	11
STRIPS, $1/LB & UNDER	309.2000*	1	0	0	0									1	340
SUBTOTAL ABOVE		**1267**	**835**	**891**	**1045**									**4038**	**5733**
STAPLE	309.4320 & .4325	867	1402	1569	1336									5174	5215
GROUPED FILAMENTS	309.3010 & .3310	118	22	91	42									273	395
SUBTOTAL ABOVE		**985**	**1424**	**1660**	**1378**									**5447**	**5610**
WASTE, ADVANCED&NOT ADVANCED	309.6615 & .7510	**0**	**0**	**0**	**7**									**7**	**33**
NONCELLULOSIC FIBERS															
YARN - SINGLES															
TEXTURED - NYLON															
LESS THAN 450	310.0107 & .0207	142	163	113	123									541	687
MORE THAN 450	310.0108 & .0208	2592	2933	3169	3131									11825	5036
- POLYESTER	310.0110 & .0210	1000	2243	1670	1399									6312	4498
- OTHER	310.0114 & .0214	1876	2010	1396	1300									6582	6611
OTHER - NYLON	310.0149 & .0249	2008	2121	2350	2348									8827	5990
- POLYESTER	310.0150 & .0250	1918	1327	2088	2006									7339	7530
- OTHER	310.0170 & .0270[b]	417	486	610	680									2193	1546
MONOFILAMENTS	309.0200 & .0330[c]	272	281	265	263									1081	1016
STRIPS, OVER $1/LB	309.2100 & .2500*	199	196	235	244									874	461
SUBTOTAL ABOVE		**10424**	**11760**	**11896**	**11494**									**45574**	**33375**
STAPLE - NYLON	309.4331 & .4351	5346	4106	5357	3521									18330	15989
- POLYESTER	309.4336 & .4361	5335	5030	5122	4833									20320	12088
- ACRYLIC	309.4366	1216	839	1202	1285									4542	4384
- OLEFIN	309.4371	2	153	42	38									235	1022
- OTHER	309.4341 & .4390	479	1269	1233	1011									3992	8109
GROUPED FILAMENTS															
NYLON	309.3030 & .3200	3012	2523	2383	2409									10327	13202
POLYESTER	309.3040 & .3340	367	279	441	383									1470	585
ACRYLIC	309.3050 & .3350	861	1144	1073	1290									4368	4306
OTHER	309.3065 & .3365	139	138	141	178									596	970
SUBTOTAL ABOVE		**16757**	**15481**	**16994**	**14948**									**64180**	**60655**
WASTE, NOT ADVANCED															
- NYLON	309.6625	2279	2182	3100	1454									9015	7598
- POLYESTER	309.6630	1077	823	1475	867									4242	2255
- ACRYLIC	309.6645	20	53	0	18									91	6
- OTHER	309.6660	415	518	810	415									2158	2709
NOILS & GARNETTED FIBERS	309.7000*	0	0	0	0									0	59
OTHER WASTE, ADVANCED	309.7525 - .7555	42	153	67	638									900	1509
SUBTOTAL ABOVE		**3833**	**3729**	**5452**	**3392**									**16406**	**14136**
TOTAL MAN-MADE ABOVE		**33266**	**33229**	**36893**	**32264**									**135652**	**119542**
OTHER MAN-MADE FIBER TOPS, YARN & THREAD															
YARN - PLIED															
TEXTURED - CELLULOSIC	310.1506	0	0	+	0									0	30
- NONCELLULOSIC	310.1015[d] & .1205[e]	142	337	593	392									1464	4460
OTHER - CELLULOSIC	310.1030 & .1535[f]	8	85	7	43									143	13
- NONCELLULOSIC	310.1050 & .1070[g]	336	339	306	285									1266	204
SPUN YARN - CELLULOSIC	310.4005 & .4030[h]	151	112	165	134									562	669
- OTHER	310.4015 & .4027[i]	2574	3765	3232	3780									13351	12918
OTHER YARNS - NES, INCL. CHENILLE	310.6034 - .8000	1493	1673	1629	2004									6799	2718
HANDWORK YARNS & SEWING THREAD	310.9000 & .9310[j]	831	662	217	690									2400	1640
SLIVER, TOPS & ROVING	309.9000	383	279	281	607									1550	1240
TEXTILE GLASS FIBER	309.2800 & .2900[k]	1431	1672	1653	2285									7041	10096
GRAND TOTAL ABOVE		**40615**	**42153**	**44976**	**42484**									**170228**	**153530**

SOURCE: U.S. Census Bureau Report IM145X.

NES Not elsewhere specified.

+ Nominal quantity.

* These items are not reported by the Census as cellulosic vs. noncellulosic. Any seperation between cellulosic and noncellulosic is estimated, based mainly on average declared value.

[a] Also includes 310.0610.

[b] Also includes 310.0550, .0630 & .0650.

[c] Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.

[d] There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

[e] Also includes 310.1210.

[f] Also includes 310.2110.

[g] Also includes 310.1510, .1514, .1550, 1555, .1570, .2050, .2130 & .2150.

[h] Also includes 310.5005 & .5030.

[i] Also includes 310.4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051.

[j] Also includes 310.9320 & .9500.

[k] Chiefly roving. Also includes 309.9800 & .9900.

TABLE 12:
U.S. EXPORTS OF MAN-MADE FIBERS

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/87	1987												YEAR TO DATE	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1987	1986
CELLULOSIC FIBERS															
FILAMENT YARN[a]															
TEXTURED	310.0004	43	100	101	24									268	30
OTHER[b]	310.0026	475	365	639	468									1947	2423
MONOFILAMENTS	309.0110	0	0	0	2									2	51
STRIPS	309.2210	1	1	40	2									44	2
SUBTOTAL ABOVE		**519**	**466**	**780**	**496**									**2261**	**2506**
STAPLE+TOW-RAYON	309.4222	3930	1732	3107	2705									11474	10865
STAPLE-ACETATE	309.4219	33	112	156	112									413	662
SUBTOTAL ABOVE		**3963**	**1844**	**3263**	**2817**									**11887**	**11527**
WASTE, ADVANCED&NOT ADVANCED	309.7400	**231**	**169**	**47**	**134**									**581**	**761**
NONCELLULOSIC FIBERS															
YARN - SINGLES															
NYLON - TEXTURED	310.0005 & .0007	2678	2441	2542	2077									9738	7376
- HIGH TENACITY[c]	310.0027	7294	6373	5419	6719									25805	24294
- OTHER	310.0029	636	684	605	753									2678	4019
POLYESTER - TEXTURED	310.0010	2151	2949	3145	2473									10718	31658
- HIGH TENACITY[c]	310.0032	1691	1913	2308	1475									7387	7404
- OTHER[d]	310.0034	160	233	152	75									620	1142
OTHER - TEXTURED	310.0014	1053	1386	1502	1133									5074	12045
- OLEFIN	310.0040	74	35	53	55									217	1221
- OTHER	310.0044	389	577	654	748									2368	1815
MONOFILAMENTS, ALL DENIERS															
NYLON	309.0120	416	687	641	417									2161	1508
POLYESTER	309.0140	322	523	524	587									1956	2041
OTHER	309.0170	478	492	875	480									2325	1688
STRIPS	309.2220 & .2270	259	424	470	342									1495	1018
SUBTOTAL ABOVE		**17601**	**18717**	**18890**	**17334**									**72542**	**97229**
STAPLE - NYLON	309.4240	2060	1757	2615	1445									7877	4469
- POLYESTER	309.4242	18819	17019	16575	14494									66907	29924
- ACRYLIC	309.4245	4792	3355	2531	2440									13118	25288
- OLEFIN	309.4246	1893	2016	2642	2075									8626	5545
- OTHER	309.4247	1004	3194	2027	2959									9184	6356
GROUPED FILAMENTS															
NYLON	309.3220	283	737	386	275									1681	1100
POLYESTER[d]	309.3240	1941	1832	1578	2318									7669	8576
ACRYLIC	309.3250 & .3255	1653	2207	1805	1980									7645	10193
SUBTOTAL ABOVE		**32445**	**32117**	**30159**	**27986**									**122707**	**91451**
WASTE, ADVANCED&NOT ADVANCED															
- NYLON	309.7620	1021	1143	1095	1164									4423	2141
- POLYESTER	309.7630	2830	4649	5303	5570									18352	21569
- ACRYLIC	309.7640	1086	1362	1545	432									4425	2501
- OTHER	309.7660	2543	3090	5034	2174									12841	15550
SUBTOTAL ABOVE		7480	10244	12977	9340									40041	41761
TOTAL MAN-MADE ABOVE		62239	63557	66116	58107									250019	245235
TEXTILE GLASS FIBER	309.2700 & .9700	5992	6585	7160	7265									27002	18528
GRAND TOTAL ABOVE		68231	70142	73276	65372									277021	263763

SOURCE: U.S. Census Bureau Report EM522.

a. Includes thrown, singles and plied yarn.
b. Includes an undetermined amount of rayon tire cord and cord fabric.
c. Includes an undetermined amount of noncellulosic tire cord and cord fabric.
d. Includes zero twist yarns.

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TABLE 13:
FILAMENT YARN DOMESTIC SHIPMENTS[a]

MILLION POUNDS

(C) CELLULOSIC YARN[j] (N) NYLON (P) POLYESTER (O) OLEFIN

ITEM		ANNUAL DATA				QUARTERLY DATA							
						1986				1987			
		1983	1984	1985	1986	1ST Q	2ND Q	3RD Q	4TH Q	1ST Q	2ND Q	3RD Q	4TH Q
HOSIERY[b]	N	104.3	101.5	98.1	95.1	26.5	25.3	22.8	20.5	23.6			
OTHER CIRCULAR KNIT[c]	N	24.5	17.6	12.9	21.3	4.3	6.0	4.0	7.0	7.7			
	P	293.7	174.7	151.2	150.3	38.6	37.4	37.3	37.0	26.3			
	C	2.1	2.3	2.6	2.0	0.6	0.6	0.6	0.2	0.4			
FLAT KNIT	C	79.1	67.2	53.0	47.8	11.4	13.7	11.7	11.0	8.7			
	N	162.2	135.2	143.6	133.8	36.8	33.2	32.5	31.3	32.0			
	P	116.6	137.3	160.8	167.1	38.7	38.9	44.5	45.0	39.3			
CARPET FACE	N	734.6	770.2	815.4	881.4	207.0	217.8	235.6	221.0	228.5			
	O	147.2	154.1	202.1	215.7	49.7	50.5	53.9	61.6	58.4			
CARPET BACKING[d]	O	198.8	227.8	354.6	404.1	89.1	98.0	99.4	117.6	98.1			
OTHER BROAD WOVEN[e]	C	113.6	108.8	111.3	126.3	31.9	31.9	31.7	30.8	26.3			
	N	83.6	90.7	71.4	76.2	20.2	19.7	18.0	18.3	17.7			
	P	489.9	392.2	420.1	344.4	87.1	77.5	89.3	90.5	89.9			
	O	201.1	190.3	225.7	271.5	61.4	66.7	69.3	74.1	68.9			
NARROW WOVEN[f]	C	1.7	0.7	1.5	2.0	0.9	0.2	0.3	0.6	0.4			
	N	35.3	39.9	31.1	33.9	8.0	8.6	8.5	8.8	10.2			
	P	35.5	38.7	40.0	44.0	11.5	10.7	10.9	10.9	10.2			
	O	15.0	14.9	15.2	17.5	4.5	4.5	4.4	4.1	4.1			
TIRES, INCL. CHAFER[k]	N	145.5	172.9	146.0	134.2	35.8	33.5	30.5	34.4	38.8			
	P	174.1	174.4	155.5	159.3	44.7	37.4	39.5	37.7	41.1			
OTHER RUBBER INDUSTRY[g,k]	N	16.3	20.9	15.3	15.2	4.2	3.6	4.0	3.4	3.8			
	P	27.8	32.7	31.2	27.2	2.9	8.4	8.2	7.7	8.6			
ROPE, CORDAGE & FISHLINE	N	31.7	35.0	35.3	36.4	9.6	9.5	8.4	8.9	9.2			
	P	12.2	15.7	13.8	13.0	3.4	3.4	2.9	3.3	3.4			
	O	95.5	106.9	108.2	106.3	27.0	28.2	23.4	27.7	25.0			
ALL OTHER[h]	C	1.1	1.1	18.7	14.0	3.8	4.0	3.4	2.8	3.4			
	N	54.4	54.2	48.3	52.1	11.0	11.5	13.4	16.2	17.8			
	P	144.6	179.2	231.7	187.1	57.9	39.8	41.1	48.3	49.0			
	O	41.0	31.6	31.8	34.1	9.6	10.5	7.4	6.6	7.0			
TOTAL ABOVE	C	**197.6**	**180.1**	**187.1**	**192.1**	**48.6**	**50.4**	**47.7**	**45.4**	**39.2**			
	N	**1392.4**	**1438.1**	**1417.4**	**1479.6**	**363.4**	**368.7**	**377.7**	**369.8**	**389.3**			
	P	**1294.4**	**1144.9**	**1204.2**	**1092.4**	**284.8**	**253.5**	**273.7**	**280.4**	**267.8**			
	O	**698.6**	**725.6**	**937.6**	**1049.2**	**241.3**	**258.4**	**257.8**	**291.7**	**261.5**			
TOTAL DOMESTIC		**3583.0**	**3488.7**	**3746.3**	**3813.3**	**938.1**	**931.0**	**956.9**	**987.3**	**957.8**			
ALSO DIVIDED AS													
APPAREL		*1257.5*	*1072.1*	*1064.7*	*949.4*	*247.4*	*236.3*	*231.0*	*234.7*	*221.5*			
HOME FURNISHINGS		*1328.7*	*1354.2*	*1624.9*	*1746.8*	*405.5*	*419.7*	*454.8*	*466.8*	*446.2*			
INDUSTRIAL		*996.8*	*1062.4*	*1056.7*	*1117.1*	*285.2*	*275.0*	*271.1*	*285.8*	*290.1*			
SHIPMENTS OF FEED & PRODUCER-TEXTURED YARN (NONCARPET)[i]													
NYLON		127.1	118.7	114.9	115.8	29.7	31.3	28.5	26.3	29.1			
POLYESTER		832.4	675.5	776.3	634.6	168.9	144.0	158.1	163.6	149.3			
OLEFIN		28.0	23.3	22.3	22.9	5.1	5.8	5.9	6.1	6.1			

---

a. Filament yarn plus monofilament shipments by primary trade or end use; olefin includes spunbonded polypropylene but does not include spunbonded polyethylene.

b. Small quantities of polyester and cellulosic yarn are included in All Other.

c. Small quantities of olefin are included in All Other.

d. Small quantities of nylon and polyester are included in All Other.

e. Other Broad Woven except carpets, tire fabric, flat belting, etc. The olefin quantities only include other home furnishings applications.

f. Narrow Woven includes apparel ribbons and braids, auto seat belts and/or furniture webbing.

g. Small quantities of olefin are included in All Other.

h. All Other includes sewing thread and other industrial applications. The olefin quantities include sliver knit backing. Also includes indirect exports.

i. These quantities are included in the Total Domestic area above.

j. Data prior to 1985: acetate yarn only. Data for 1985-1987: acetate and rayon yarn.

k. Cellulosic yarn quantities included in All Other.

Q3

TABLE 14:
STAPLE+TOW DOMESTIC SHIPMENTS

MILLION POUNDS

(R) RAYON (N) NYLON (A) ACRYLIC+MODACRYLIC (P) POLYESTER (O) OLEFIN

ITEM		ANNUAL DATA				QUARTERLY DATA							
						1986				1987			
		1983	1984	1985	1986	1ST Q	2ND Q	3RD Q	4TH Q	1ST Q	2ND Q	3RD Q	4TH Q
HOSIERY, SWEATERS & CRAFT YARNS[a]	A	237.3	204.8	197.2	228.8	57.2	62.1	54.9	54.6	57.0			
	NPR	9.5	6.6	5.5	5.1	1.4	1.2	1.4	1.1	0.8			
PILE FABRICS[b]	A	33.0	30.0	24.5	23.2	6.0	6.6	6.2	4.4	5.6			
	P	18.2	18.4	14.9	15.0	4.1	3.5	3.9	3.5	4.4			
OTHER CIRCULAR KNIT + FLAT KNIT[c]	R	3.5	4.3	5.5	4.7	1.1	1.1	1.1	1.4	1.2			
	A	129.5	118.5	139.1	196.3	38.7	55.6	56.7	45.3	55.7			
	P	354.4	283.0	295.5	367.8	87.9	89.2	89.7	101.0	115.2			
BLANKETS[b]	A	27.1	25.2	30.2	26.7	6.6	6.7	7.7	5.7	5.9			
	P	10.5	5.5	6.2	3.7	0.8	1.0	1.3	0.6	1.3			
OTHER BROAD WOVEN	R	182.1	177.7	174.9	218.0	53.9	53.2	55.1	55.8	52.9			
	N	59.0	42.5	37.4	37.0	10.0	9.7	8.6	8.7	9.2			
	A	32.5	29.5	38.2	35.3	9.8	8.4	8.4	8.7	9.9			
	P	1062.9	1039.1	864.9	885.6	226.8	229.8	218.3	210.7	205.3			
	O	19.4	22.1	26.9	18.0	1.0	5.0	4.9	7.1	4.8			
CARPET FACE YARNS[f]	R	0.2	0.3	0.5	0.4	0.1	0.2	+	0.1	+			
	N	815.2	751.0	773.9	837.8	180.1	188.6	240.8	228.3	230.2			
	P	139.0	131.4	126.8	145.0	31.3	38.4	36.9	38.4	46.8			
	O	93.6	96.5	107.4	117.2	25.4	30.4	28.1	33.3	24.3			
FIBERFILL[d]	P	275.4	276.1	281.1	294.9	71.6	69.1	74.4	79.8	88.9			
FLOCK	NP	10.6	9.2	5.3	5.9	1.6	1.4	1.2	1.7	1.6			
	R	3.2	2.7	1.8	1.8	0.6	0.4	0.5	0.3	0.5			
NONWOVENS[e f]	R	119.0	126.3	113.5	125.4	31.7	33.2	32.9	27.6	31.1			
	N	4.9	2.8	2.5	2.1	0.5	0.5	0.6	0.5	0.5			
	P	177.4	177.2	162.5	175.3	46.5	41.4	42.4	45.0	48.7			
	VINYON+O	61.5	119.2	135.8	166.2	42.3	45.2	41.1	37.6	49.4			
ALL OTHER	R	23.8	18.8	25.9	20.8	3.7	3.5	5.0	8.6	6.0			
	N	5.2	9.4	11.2	11.9	2.9	3.0	3.0	3.0	4.6			
	A	32.8	38.7	29.5	20.9	4.8	4.3	4.8	7.0	5.3			
	P	55.8	56.2	116.9	108.3	29.3	26.7	28.6	23.7	23.2			
	VINYON+O	8.9	3.1	9.6	11.3	5.2	2.0	2.3	1.8	2.6			
TOTAL ABOVE	**R**	**333.5**	**331.9**	**323.7**	**373.0**	**91.6**	**92.0**	**95.1**	**94.3**	**91.8**			
	N	**897.1**	**814.4**	**830.3**	**894.9**	**195.2**	**203.2**	**254.3**	**242.2**	**246.2**			
	A	**492.2**	**446.7**	**458.7**	**531.2**	**123.1**	**143.7**	**138.7**	**125.7**	**139.4**			
	P	**2099.2**	**1992.2**	**1872.7**	**1998.6**	**499.1**	**499.9**	**496.3**	**503.3**	**534.4**			
	VINYON+O	**183.4**	**240.9**	**279.7**	**312.7**	**73.9**	**82.6**	**76.4**	**79.8**	**81.1**			
TOTAL DOMESTIC		**4005.4**	**3826.1**	**3765.1**	**4110.4**	**982.9**	**1021.4**	**1060.8**	**1045.3**	**1092.9**			
ALSO DIVIDED AS													
APPAREL		*1461.3*	*1277.1*	*1255.0*	*1489.3*	*363.6*	*390.5*	*372.6*	*362.6*	*386.0*			
HOME FURNISHINGS		*1630.0*	*1559.0*	*1536.9*	*1625.8*	*371.0*	*385.1*	*436.8*	*432.9*	*425.1*			
INDUSTRIAL		*914.1*	*992.1*	*973.2*	*995.3*	*248.3*	*245.8*	*251.4*	*249.8*	*281.8*			

a. Olefin quantities are included in All Other.
b. Rayon and nylon quantities are included in All Other.
c. Nylon quantities are included in All Other.
d. Rayon, acrylic and nylon quantities are included in All Other.
e. Wet & dry laid and needled batts only.
f. Acrylic quantities are included in All Other.

M5

TABLE 15:
SELECTED U.S. MONTHLY FIBER DATA

MILLION POUNDS

ITEM	1987 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE[a] 1987	1986
	TOTAL SHIPMENTS[b]													
MAN-MADE FIBER DATA [c]														
YARN+MONOFILAMENTS														
CELLULOSIC YARN	14.6	13.7	15.9	16.5	16.1								76.8	91.6
NYLON[d] - INDUSTRIAL[e]	31.0	32.8	30.6	29.5	35.7								159.6	141.3
- CARPET	75.1	77.6	79.9	76.9	86.2								395.7	358.7
- TEXTILE[g]	30.5	30.4	33.5	32.1	32.4								158.9	156.4
POLYESTER - INDUSTRIAL[e]	26.6	27.6	29.4	27.7	28.0								139.3	132.8
- TEXTILE[g]	63.3	64.0	72.3	75.7	73.6								348.9	365.8
OLEFIN[f]	92.3	87.6	90.8	88.9	89.8								449.4	412.6
TOTAL NONCELLULOSIC ABOVE	**318.8**	**320.0**	**336.5**	**330.8**	**345.7**								**1651.8**	**1567.6**
STAPLE+TOW+FIBERFILL														
RAYON	34.1	29.7	36.1	33.2	31.6								164.7	165.5
NYLON[d]	84.1	81.2	86.2	88.7	91.1								431.3	338.1
ACRYLIC+MODACRYLIC	49.2	50.7	54.2	51.2	52.3								257.6	261.3
POLYESTER	184.8	192.2	205.6	195.1	193.4								971.1	889.5
OLEFIN+VINYON[h]	28.2	27.9	31.9	31.1	30.0								149.1	135.6
TOTAL NONCELLULOSIC ABOVE	**346.3**	**352.0**	**377.9**	**366.1**	**366.8**								**1809.1**	**1624.5**
	END-OF-MONTH STOCK													
YARN+MONOFILAMENTS														
CELLULOSIC YARN	17.9	18.2	16.8	15.2	14.7								14.7	12.2
NYLON[d] - INDUSTRIAL[e]	29.2	24.9	26.7	29.0	27.0								27.0	27.2
- CARPET	56.6	55.5	52.3	52.4	48.3								48.3	59.0
- TEXTILE[g]	49.6	49.4	46.5	47.2	47.6								47.6	45.8
POLYESTER - INDUSTRIAL[e]	30.6	30.0	27.8	29.0	28.5								28.5	28.9
- TEXTILE[g]	85.6	88.8	87.6	83.2	80.0								80.0	91.9
OLEFIN[f]	54.7	55.6	55.6	56.3	56.0								56.0	66.4
TOTAL NONCELLULOSIC ABOVE	**306.3**	**304.2**	**296.5**	**297.1**	**287.4**								**287.4**	**319.2**
STAPLE+TOW+FIBERFILL														
RAYON	24.3	26.1	23.8	24.7	25.9								25.9	18.4
NYLON[d]	59.3	53.8	58.7	57.7	56.4								56.4	88.0
ACRYLIC+MODACRYLIC	68.2	67.9	67.8	70.1	71.6								71.6	53.4
POLYESTER	178.0	169.8	162.3	162.4	171.7								171.7	150.4
OLEFIN+VINYON[h]	33.3	32.6	31.0	30.3	30.8								30.8	29.7
TOTAL NONCELLULOSIC ABOVE	**338.8**	**324.1**	**319.8**	**320.5**	**330.5**								**330.5**	**321.5**
WOOL & COTTON CONSUMPTION														
APPAREL CLASS WOOL	13.8	13.1	15.0	13.7									55.6	52.1
CARPET CLASS WOOL	0.8	0.8	1.2	1.3									4.1	3.5
TOTAL RAW WOOL	14.6	13.9	16.2	15.0									59.7	55.6
RAW COTTON	302.3	281.8	341.4	311.9									1237.4	1063.0

a. "Year-to-date" totals for stock, are the latest month's figures.

b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

c. Producers' total domestic plus export shipments.

d. Data for nylon exclude Aramid.

e. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

f. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.

g. Low denier industrial nylon and polyester included with Textile.

h. 1987 data excludes Vinyon.

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- Acetate
- Nylon+Aramid

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- Exports
- Inventories
- Industrial Yarn
- Carpet Yarn
- Textile Yarn
- Flat Yarn
- Feed & Producer Textured Yarn
- Shipments by Denier
- Indirect Exports

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TEXTILE ORGANON

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Highlights

- Worldwide Fiber Demand Continues to Grow
  - - - Demand for man-made fiber up 3.3% to 35,488 million pounds
  - - - Demand for natural fibers up 3.1% to 41,713 million pounds
- U.S. Imports of Man-Made Fiber Growing Much Faster Than Exports - +11.2% vs. +0.1% for January-May 1987

SHIPMENTS:

In the first half of 1987, U.S. noncellulosic shipments totaled 4,149.8 million pounds, up 8.9% (340.4 million pounds) over January-June 1986. Shipments of noncellulosic yarn+monofilaments rose 5.5% to 1,979.3 million pounds, while staple+tow increased 12.3% to 2,170.5 million pounds.

Nylon staple+tow shipments grew faster than the other categories listed in Table 1, up 25.8% for January-June 1987. Other leading gainers were polyester staple+tow, which rose 12.3% and nylon yarn, which increased 8.6%. The latter is derived from increases in industrial (+12.9%), carpet (+9.2%) and textile (+3.2%) nylon yarn shipments.

Increased first half shipments were also registered for olefin staple, up 8.3% and olefin yarn, up 6.5%.

TABLE 1:
TOTAL U.S. MAN-MADE FIBER SHIPMENTS
MILLION POUNDS & *PERCENT CHANGE*

ITEM	1987 JUN	1987 MAY	% CHG 5/87-6/87	1986 JUN	% CHG 6/86-6/87	YEAR TO DATE 1987	YEAR TO DATE 1986	% CHG YTD 1986-1987
YARN+MONOFILAMENTS								
CELLULOSIC YARN	16.9	16.1	*+5.0*	17.2	*-1.7*	93.7	108.8	*-13.9*
NYLON[a] - INDUSTRIAL	30.0	35.7	*-16.0*	26.7	*+12.4*	189.6	168.0	*+12.9*
- CARPET	77.5	86.2	*-10.1*	74.8	*+3.6*	473.2	433.5	*+9.2*
- TEXTILE[b]	32.6	32.4	*+0.6*	29.1	*+12.0*	191.5	185.5	*+3.2*
POLYESTER - INDUSTRIAL	27.1	28.0	*-3.2*	24.6	*+10.2*	166.4	157.4	*+5.7*
- TEXTILE[b]	72.1	73.6	*-2.0*	60.7	*+18.8*	421.0	426.5	*-1.3*
OLEFIN	94.7	89.8	*+5.5*	92.4	*+2.5*	537.6	505.0	*+6.5*
TOTAL NONCELLULOSIC ABOVE	**334.0**	**345.7**	***-3.4***	**308.3**	***+8.3***	**1979.3**	**1875.9**	***+5.5***
STAPLE+TOW+FIBERFILL								
RAYON	34.4	31.6	*+8.9*	31.3	*+9.9*	199.1	196.8	*+1.2*
NYLON[a]	78.4	91.1	*-13.9*	67.1	*+16.8*	509.7	405.2	*+25.8*
ACRYLIC+MODACRYLIC	45.1	52.3	*-13.8*	51.8	*-12.9*	302.7	313.1	*-3.3*
POLYESTER	207.7	193.4	*+7.4*	160.2	*+29.7*	1178.8	1049.7	*+12.3*
OLEFIN+VINYON[c]	30.2	30.0	*+0.7*	29.9	*+1.0*	179.3	165.5	*+8.3*
TOTAL NONCELLULOSIC ABOVE	**361.4**	**366.8**	***-1.5***	**309.0**	***+17.0***	**2170.5**	**1933.5**	***+12.3***

a. Nylon excludes Aramid.
b. Low denier industrial nylon and polyester is included with Textile.
c. 1987 data exclude Vinyon.

Textile Organon

A Monthly Review

JULY 1987

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DATAGRAM

The steady increase in worldwide fiber demand continued in 1986. Total demand for fibers listed in Table 2 was 77,201 million pounds in 1986.

The relationship between man-made fiber and natural fiber has remained unchanged during the last four years, 46% and 54%, respectively. The only major fiber gain in share has been recorded by noncellulosic. Declines in percent share of demand were registered by cotton, from 49.9% in 1982 to 49.1% in 1986; wool, from 5.5% to 4.8%; and cellulosic, from 10% to 8.5%. Demand for noncellulosic rose from 34.4% in 1982 to 37.4% in 1986. (See Table 2)

Of the 28,910 million pounds of noncellulosic fiber produced worldwide in 1986, the U.S. was the largest producer with 22.3%. However, the U.S., Western Europe and Japan experienced declines in share of total production over the last five years, while Other Asia advanced from 16.3% to 20.5% of worldwide production. (See Table 3)

TEN LEADING NONCELLULOSIC FIBER PRODUCING COUNTRIES - 1986

1986 RANK		PRODUCTION MM LBS
1	U.S.A.	6435
2	Japan	3000
3	Taiwan	2716
4	Korea,Rep.of	1900
5	China,PRC	1832
6	U.S.S.R.	1646
7	Germany,Fed.Rep.	1645
8	Italy/Malta	1254
9	Mexico	664
10	Spain	593

1986 worldwide cellulosic fiber production totaled 6,578 million pounds, a gain of 1.3% from 6,494 million pounds produced in 1982. (See Table 4)

FIVE LEADING CELLULOSIC FIBER PRODUCING COUNTRIES - 1986

1986 RANK		PRODUCTION MM LBS
1	U.S.S.R.	1468
2	Japan	796
3	U.S.A.	619
4	China,PRC	478
5	India	300

In terms of noncellulosic fiber producing capacity, March 1987 survey data indicate Other Asia as the leader with 21.9% followed by U.S.A. and Western Europe at 20.3% and 18.6%, respectively. By year-end 1988, Other Asia's share is projected to increase to 23.4%, while all other areas post modest declines. (See Table 6)

NONCELLULOSIC FIBER PRODUCING CAPACITY
(PERCENT SHARE)

	3/87	12/88
Western Europe	18.6%	18.2%
Eastern Europe	12.9%	12.8%
U.S.A.	20.3%	20.0%
Other Americas	7.4%	7.3%
Japan	10.4%	10.1%
China, PRC	6.4%	6.2%
Other Asia	21.9%	23.4%
Middle East, Africa & Oceania	2.1%	2.0%
World Total	100.0%	100.0%

GRAPH 1:
WORLDWIDE DEMAND FOR CERTAIN FIBERS
PERCENT SHARE

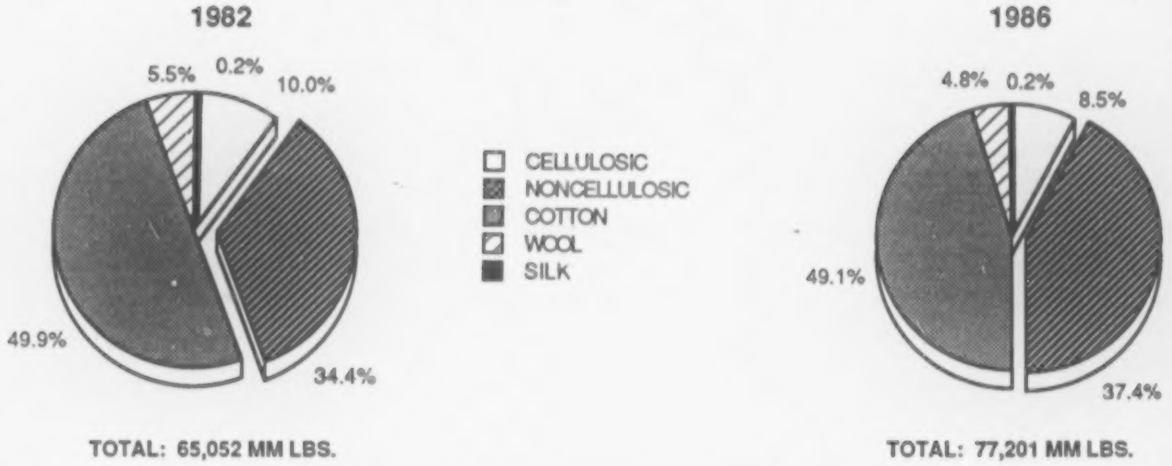


TABLE 2:
WORLDWIDE DEMAND FOR CERTAIN FIBERS
MILLION POUNDS

TYPE OF FIBER	1982	1983	1984	1985	1986	% CHANGE 1986 / 1985
CELLULOSIC FIBERS						
YARN+MONOFILAMENTS	2256	2293	2268	2261	2282	*+1.0*
STAPLE+TOW	4238	4385	4553	4423	4296	*-2.8*
TOTAL CELLULOSIC	6494	6678	6821	6684	6578	*-1.6*
NONCELLULOSIC FIBERS						
YARN+MONOFILAMENTS	9876	10695	11487	12309	12614	*+2.5*
STAPLE+TOW	12490	13810	14635	15376	16296	*+6.0*
TOTAL NONCELLULOSIC	22366	24505	26122	27685	28910	*+4.4*
TOTAL MAN-MADE [a]	28860	31183	32943	34369	35488	*+3.3*
% of World Total	*44%*	*46%*	*46%*	*46%*	*46%*	
NATURAL FIBERS						
RAW COTTON [b]	32491	33206	34233	36638	37877	*+3.4*
RAW WOOL [c]	3580	3607	3686	3693	3713	*+0.5*
RAW SILK [d]	121	121	121	123	123	*0*
TOTAL NATURAL	36192	36934	38040	40454	41713	*+3.1*
% of World Total	*56%*	*54%*	*54%*	*54%*	*54%*	
WORLD TOTAL	65052	68117	70983	74823	77201	*+3.2*
World Total %	*100%*	*100%*	*100%*	*100%*	*100%*	

The silk and man-made fiber data are on a calendar year basis, while the figures for cotton and wool are on a seasonal basis.

[a] Man-made fiber data are from tables 3 and 4 of this issue. Textile glass fiber, olefin and acetate cigarette tow production are not included.

[b] International Cotton Advisory Committee. New series based on cotton consumption data.

[c] Commonwealth Secretariat & The Wool Bureau, Inc. data are on a scoured basis. Also see December 1986 *Organon*.

[d] International Silk Association; Food and Agriculture Organization of the United Nations.

GRAPH 2:
WORLDWIDE DEMAND FOR CERTAIN FIBERS
1966-1986

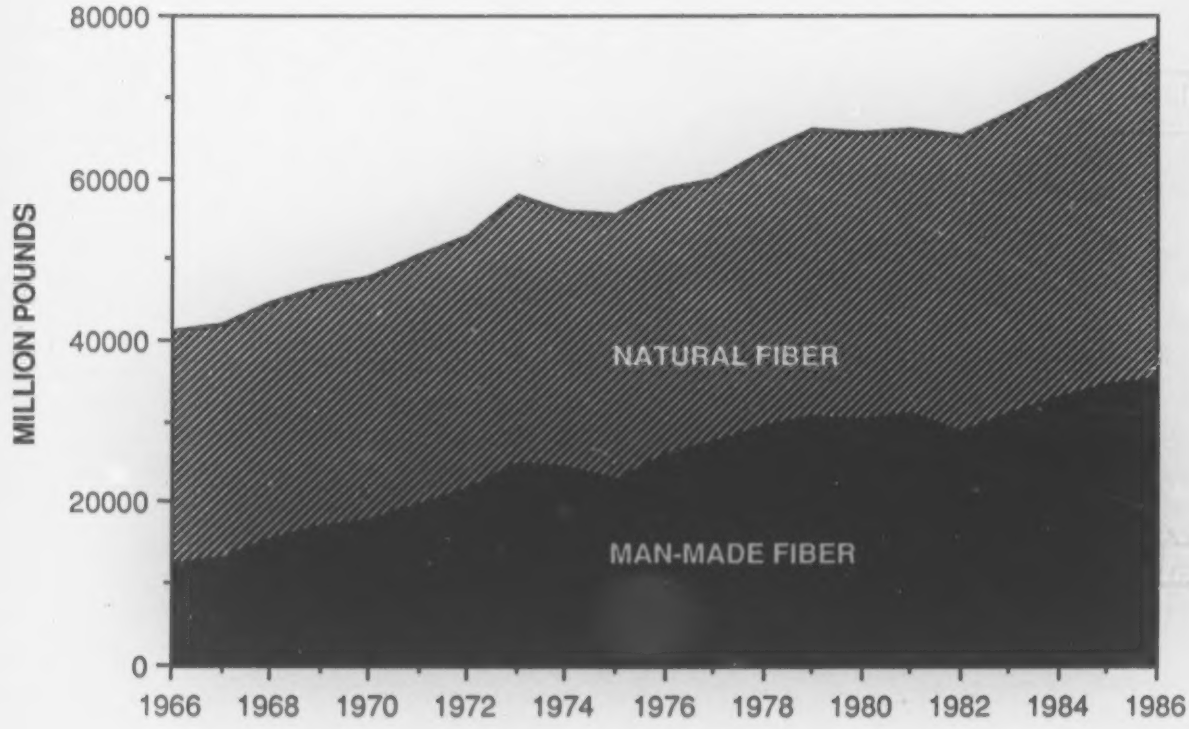


TABLE 3:
WORLDWIDE NONCELLULOSIC FIBER PRODUCTION & PRODUCING CAPACITY BY COUNTRY EXCEPT OLEFIN
MILLION POUNDS

COUNTRY	ACTUAL PRODUCTION								
	1982			1983			1984		
	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
WESTERN EUROPE									
AUSTRIA	0	35.7	35.7	0	39.7	39.7	0	39.9	39.9
BENELUX[a]	155.6	42.3	197.9	136.5	47.0	183.5	144.4	50.7	195.1
FINLAND	1.1	0	1.1	1.1	0	1.1	1.1	0	1.1
FRANCE	142.9	276.2	419.1	139.3	297.8	437.1	132.7	294.5	427.2
GERMANY, FED. REP.	703.3	771.6	1474.9	747.8	866.4	1614.2	776.0	835.5	1611.5
GREECE	18.7	20.5	39.2	19.8	22.0	41.8	19.8	22.0	41.8
IRELAND	27.1	61.7	88.8	24.3	70.5	94.8	25.4	82.7	108.1
ITALY/MALTA	327.8	617.3	945.1	314.2	689.2	1003.4	339.5	816.6	1156.1
PORTUGAL	2.0	83.8	85.8	2.2	86.0	88.2	2.2	92.6	94.8
SPAIN	162.3	347.9	510.2	142.4	381.8	524.2	171.1	389.8	560.9
SWITZERLAND	117.7	59.5	177.2	127.9	61.7	189.6	153.7	62.4	216.1
TURKEY	99.4	176.8	276.2	105.8	230.4	336.2	115.7	266.1	381.8
UNITED KINGDOM	146.6	303.8	450.4	176.4	325.6	502.0	184.1	339.5	523.6
TOTAL WESTERN EUROPE	**1904.5**	**2797.1**	**4701.6**	**1937.7**	**3118.1**	**5055.8**	**2065.7**	**3292.3**	**5358.0**
EASTERN EUROPE									
ALBANIA	0	0	0	0	0	0	0	0	0
BULGARIA	29.8	83.8	113.6	39.7	92.6	132.3	44.1	96.6	140.7
CZECHOSLOVAKIA	116.6	79.1	195.7	119.0	79.8	198.8	132.3	85.1	217.4
GERMANY, DEM .REP.	143.3	173.9	317.2	152.1	180.8	332.9	151.0	189.6	340.6
HUNGARY	16.8	28.0	44.8	16.8	29.1	45.9	17.6	29.8	47.4
POLAND	176.4	120.6	297.0	194.9	160.1	355.0	201.5	165.3	366.8
ROMANIA	90.4	246.9	337.3	99.2	248.0	347.2	116.8	256.8	373.6
USSR	711.6	584.2	1295.8	760.6	610.7	1371.3	821.9	642.6	1464.5
YUGOSLAVIA	59.5	104.7	164.2	63.9	110.2	174.1	72.8	114.6	187.4
TOTAL EASTERN EUROPE	**1344.4**	**1421.2**	**2765.6**	**1446.2**	**1511.3**	**2957.5**	**1558.0**	**1580.4**	**3138.4**
TOTAL EUROPE	**3248.9**	**4218.3**	**7467.2**	**3383.9**	**4629.4**	**8013.3**	**3623.7**	**4872.7**	**8496.4**

Y Yarn+monofilaments.

S Staple+tow+fiberfill.

a. Includes Belgium, Netherlands and Luxembourg.

ACTUAL PRODUCTION						PRODUCING CAPACITY					
1985			1986			3/1987			12/1988		
Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
0	39.9	39.9	0	33.1	33.1	0	46.3	46.3	0	48.5	48.5
156.5	63.9	220.4	160.9	75.0	235.9	219.4	130.1	349.5	219.4	130.1	349.5
1.1	0	1.1	1.1	0	1.1	1.3	0	1.3	1.3	0	1.3
133.8	273.4	407.2	134.9	233.7	368.6	189.6	293.2	482.8	189.6	293.2	482.8
793.7	886.2	1679.9	765.0	879.6	1644.6	901.7	954.6	1856.3	917.1	954.6	1871.7
19.8	22.0	41.8	19.8	22.0	41.8	39.0	26.5	65.5	39.0	26.5	65.5
25.4	97.0	122.4	28.7	134.5	163.2	30.9	144.4	175.3	30.9	144.4	175.3
374.8	855.4	1230.2	381.4	873.0	1254.4	418.2	925.9	1344.1	418.2	925.9	1344.1
2.2	108.0	110.2	0	121.3	121.3	0	127.9	127.9	0	138.9	138.9
187.4	416.7	604.1	183.0	410.1	593.1	260.1	491.0	751.1	260.1	491.0	751.1
158.7	60.6	219.3	149.9	59.5	209.4	187.4	70.5	257.9	187.4	70.5	257.9
123.5	295.4	418.9	132.3	372.6	504.9	238.1	474.0	712.1	242.5	474.0	716.5
199.5	328.5	528.0	191.8	286.6	478.4	235.9	421.1	657.0	235.9	421.1	657.0
2176.4	**3447.0**	**5623.4**	**2148.8**	**3501.0**	**5649.8**	**2721.6**	**4105.5**	**6827.1**	**2741.4**	**4118.7**	**6860.1**
0.9	0	0.9	0.9	0	0.9	4.4	11.0	15.4	4.4	11.0	15.4
61.7	103.2	164.9	88.2	105.8	194.0	132.3	189.6	321.9	132.3	233.7	366.0
149.9	110.2	260.1	154.3	112.4	266.7	202.8	191.8	394.6	213.8	191.8	405.6
152.1	191.8	343.9	169.8	203.9	373.7	196.2	240.3	436.5	200.6	240.3	440.9
20.9	32.6	53.5	21.4	38.6	60.0	26.5	50.7	77.2	26.5	50.7	77.2
205.9	170.9	376.8	211.9	173.1	385.0	269.0	185.2	454.2	278.2	185.2	463.4
116.8	326.3	443.1	132.3	332.9	465.2	172.0	383.6	555.6	172.0	383.6	555.6
857.1	692.2	1549.3	866.0	780.4	1646.4	1049.4	1040.6	2090.0	1049.4	1040.6	2090.0
99.2	169.8	269.0	103.6	176.4	280.0	158.7	220.5	379.2	158.7	244.7	403.4
1664.5	**1797.0**	**3461.5**	**1748.4**	**1923.5**	**3671.9**	**2211.3**	**2513.3**	**4724.6**	**2235.9**	**2581.6**	**4817.5**
3840.9	**5244.0**	**9084.9**	**3897.2**	**5424.5**	**9321.7**	**4932.9**	**6618.8**	**11551.7**	**4977.3**	**6700.3**	**11677.6**

TABLE 3:
WORLDWIDE NONCELLULOSIC FIBER PRODUCTION & PRODUCING CAPACITY BY COUNTRY EXCEPT OLEFIN *(CONTINUED)*

MILLION POUNDS

COUNTRY	ACTUAL PRODUCTION								
	1982			1983			1984		
	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
U.S.A.	**2472.2**	**3264.1**	**5736.3**	**2851.7**	**3780.9**	**6632.6**	**2777.4**	**3697.3**	**6474.7**
OTHER AMERICAS									
ARGENTINA	39.9	26.2	66.1	53.4	35.3	88.7	56.2	47.2	103.4
BOLIVIA	2.2	0	2.2	4.4	0	4.4	0	0	0
BRAZIL	255.7	181.0	436.7	233.0	175.5	408.5	260.6	215.2	475.8
CANADA	114.6	99.2	213.8	130.7	116.8	247.5	153.4	130.1	283.5
CHILE	10.1	1.8	11.9	5.7	2.2	7.9	6.2	2.4	8.6
COLOMBIA	68.3	19.4	87.7	69.0	19.6	88.6	85.1	23.6	108.7
COSTA RICA	7.3	0	7.3	7.7	0	7.7	7.7	0	7.7
ECUADOR	11.7	0	11.7	10.1	0	10.1	10.6	0	10.6
MEXICO	258.2	254.4	512.6	278.4	315.0	593.4	325.0	333.8	658.8
PERU	24.7	64.8	89.5	27.6	68.3	95.9	28.7	75.2	103.9
URUGUAY	2.0	6.0	8.0	3.5	8.2	11.7	3.5	7.5	11.0
VENEZUELA	18.1	7.9	26.0	21.4	8.8	30.2	22.5	12.1	34.6
TOTAL OTHER AMERICAS	**812.8**	**660.7**	**1473.5**	**844.9**	**749.7**	**1594.6**	**959.5**	**847.1**	**1806.6**
JAPAN	**1309.1**	**1561.3**	**2870.4**	**1316.8**	**1589.3**	**2906.1**	**1397.7**	**1621.0**	**3018.7**
CHINA, PRC	**134.5**	**712.1**	**846.6**	**145.5**	**757.1**	**902.6**	**227.3**	**1014.8**	**1242.1**
OTHER ASIA									
BANGLADESH	0.4	0	0.4	0.4	0	0.4	0.7	0	0.7
INDIA	136.7	97.4	234.1	192.2	89.9	282.1	234.3	123.5	357.8
INDONESIA	148.1	127.9	276.0	146.4	136.2	282.6	157.6	161.6	319.2
KOREA, REP. OF	664.5	685.9	1350.4	741.8	722.2	1464.0	814.8	830.9	1645.7
MALAYSIA	0	70.5	70.5	0	77.2	77.2	0	78.3	78.3
PAKISTAN	11.2	26.5	37.7	17.9	41.0	58.9	26.5	47.8	74.3
PHILIPPINES	63.9	33.1	97.0	54.0	35.3	89.3	45.2	35.3	80.5
SRI LANKA	2.2	0	2.2	2.2	0	2.2	2.2	0	2.2
TAIWAN	619.1	771.8	1390.9	713.0	912.7	1625.7	921.3	987.7	1909.0
THAILAND	81.8	105.8	187.6	88.2	110.2	198.4	81.6	115.5	197.1
TOTAL OTHER ASIA	**1727.9**	**1918.9**	**3646.8**	**1956.1**	**2124.7**	**4080.8**	**2284.2**	**2380.6**	**4664.8**
MIDDLE EAST, AFRICA & OCEANIA									
AUSTRALIA/N.Z.	32.0	1.1	33.1	32.0	2.2	34.2	28.7	2.2	30.9
EGYPT	7.3	38.8	46.1	7.7	45.4	53.1	12.1	56.4	68.5
IRAN	25.4	44.1	69.5	33.1	59.5	92.6	29.8	52.9	82.7
ISRAEL	19.8	15.4	35.2	19.2	15.4	34.6	20.9	15.4	36.3
KENYA	4.0	0	4.0	8.4	0	8.4	9.9	2.2	12.1
NIGERIA	2.6	2.4	5.0	5.5	5.5	11.0	6.6	6.6	13.2
SOUTH AFRICA	77.2	52.9	130.1	83.8	50.7	134.5	102.5	65.5	168.0
TANZANIA	2.2	0	2.2	6.6	0	6.6	6.6	0	6.6
TOTAL M.E., A. & O.	**170.5**	**154.7**	**325.2**	**196.3**	**178.7**	**375.0**	**217.1**	**201.2**	**418.3**
TOTAL WORLD	**9875.9**	**12490.1**	**22366.0**	**10695.2**	**13809.8**	**24505.0**	**11486.9**	**14634.7**	**26121.6**

ACTUAL PRODUCTION						PRODUCING CAPACITY					
1985			1986			3/1987			12/1988		
Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
2835.8	3478.6	6314.4	2778.2	3656.5	6434.7	3248.0	4200.0	7448.0	3291.0	4235.0	7526.0
59.7	37.0	96.7	67.7	53.8	121.5	148.4	83.8	232.2	148.4	83.8	232.2
0	0	0	0	0	0	11.0	0	11.0	11.0	0	11.0
268.3	211.2	479.5	302.7	225.3	528.0	371.3	272.9	644.2	371.3	280.4	651.7
165.6	119.9	285.5	166.0	131.0	297.0	265.4	169.8	435.2	265.4	169.8	435.2
7.3	4.4	11.7	8.2	5.1	13.3	23.6	17.6	41.2	23.6	17.6	41.2
84.4	26.5	110.9	85.3	28.7	114.0	158.7	35.3	194.0	165.3	35.3	200.6
7.7	0	7.7	9.3	0	9.3	17.6	0	17.6	17.6	0	17.6
10.8	0	10.8	11.0	0	11.0	19.8	15.4	35.2	24.3	15.4	39.7
335.5	330.7	666.2	337.7	325.8	663.5	408.3	471.8	880.1	408.3	471.8	880.1
29.3	72.8	102.1	29.8	75.2	105.0	41.9	94.8	136.7	44.1	94.8	138.9
4.6	8.8	13.4	4.9	9.7	14.6	6.6	12.1	18.7	11.0	12.1	23.1
24.0	13.2	37.2	25.6	14.3	39.9	50.7	25.4	76.1	50.7	25.4	76.1
997.2	824.5	1821.7	1048.2	868.9	1917.1	1523.3	1198.9	2722.2	1541.0	1206.4	2747.4
1422.8	1669.5	3092.3	1340.8	1659.6	3000.4	1794.8	2012.8	3807.6	1794.8	2012.8	3807.6
337.1	1316.4	1653.5	352.7	1479.3	1832.0	465.2	1873.9	2339.1	465.2	1873.9	2339.1
0.9	0	0.9	0.9	0	0.9	2.2	39.7	41.9	2.2	39.7	41.9
281.1	145.9	427.0	304.2	169.3	473.5	533.5	546.7	1080.2	687.8	608.5	1296.3
169.5	155.0	324.5	180.1	187.4	367.5	326.3	324.1	650.4	348.3	372.6	720.9
901.0	888.2	1789.2	961.4	938.9	1900.3	1037.0	988.8	2025.8	1070.1	988.8	2058.9
0	85.5	85.5	0	86.0	86.0	0	92.6	92.6	0	92.6	92.6
34.4	50.7	85.1	40.1	53.8	93.9	125.7	92.6	218.3	189.6	138.9	328.5
48.5	36.4	84.9	46.3	33.1	79.4	83.8	50.7	134.5	86.0	50.7	136.7
2.6	0	2.6	2.9	0	2.9	6.6	0	6.6	6.6	0	6.6
1123.2	1133.4	2256.6	1335.1	1381.2	2716.3	1797.2	1634.9	3432.1	1990.8	1793.4	3784.2
81.8	121.3	203.1	88.2	125.7	213.9	163.6	158.7	322.3	166.7	187.4	354.1
2643.0	2616.4	5259.4	2959.2	2975.4	5934.6	4075.9	3928.8	8004.7	4548.1	4272.6	8820.7
29.8	2.2	32.0	30.9	2.2	33.1	56.2	3.3	59.5	56.2	3.3	59.5
12.3	60.8	73.1	12.8	65.3	78.1	32.2	112.4	144.6	32.2	116.8	149.0
29.8	68.3	98.1	29.8	68.3	98.1	95.9	86.0	181.9	95.9	99.2	195.1
23.1	16.1	39.2	24.0	16.1	40.1	39.7	17.4	57.1	39.7	17.4	57.1
11.2	2.2	13.4	11.2	2.2	13.4	37.5	11.9	49.4	37.5	11.9	49.4
7.1	6.6	13.7	7.1	6.8	13.9	13.2	11.0	24.2	17.6	11.0	28.6
112.4	70.1	182.5	115.3	70.5	185.8	149.9	70.5	220.4	149.9	75.0	224.9
6.6	0	6.6	6.6	0	6.6	15.4	0	15.4	15.4	0	15.4
232.3	226.3	458.6	237.7	231.4	469.1	440.0	312.5	752.5	444.4	334.6	779.0
12309.1	15375.7	27684.8	12614.0	16295.6	28909.6	16480.1	20145.7	36625.8	17061.8	20635.6	37697.4

TABLE 4:
WORLDWIDE CELLULOSIC FIBER PRODUCTION & PRODUCING CAPACITY BY COUNTRY
MILLION POUNDS

	ACTUAL PRODUCTION								
	1982			1983			1984		
COUNTRY	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
WESTERN EUROPE [a]									
AUSTRIA	30.4	222.2	252.6	25.1	241.8	266.9	32.6	240.3	272.9
BELGIUM/NETHERLANDS	81.8	19.6	101.4	90.6	13.4	104.0	90.6	0	90.6
FINLAND	0	117.1	117.1	0	127.0	127.0	0	127.9	127.9
FRANCE	19.0	81.3	100.3	18.5	65.0	83.5	16.5	41.9	58.4
GERMANY, FED. REP.	135.6	110.2	245.8	130.1	121.3	251.4	134.5	121.3	255.8
GREECE	15.9	0	15.9	13.9	0	13.9	13.2	0	13.2
ITALY	69.7	31.3	101.0	64.6	0	64.6	67.5	0	67.5
NORWAY	0	44.1	44.1	0	0	0	0	0	0
PORTUGAL	2.0	0	2.0	2.0	0	2.0	2.2	0	2.2
SPAIN	24.9	70.1	95.0	23.1	47.4	70.5	15.9	57.5	73.4
SWEDEN	0	83.8	83.8	0	86.6	86.6	0	88.4	88.4
TURKEY	0.7	6.6	7.3	0.7	8.8	9.5	0.7	9.9	10.6
UNITED KINGDOM	52.9	196.7	249.6	55.1	254.0	309.1	46.3	234.1	280.4
TOTAL WESTERN EUROPE	432.9	983.0	1415.9	423.7	965.3	1389.0	420.0	921.3	1341.3
EASTERN EUROPE									
BULGARIA	8.8	75.0	83.8	9.0	77.2	86.2	9.0	81.8	90.8
CZECHOSLOVAKIA	43.2	78.3	121.5	44.3	83.6	127.9	45.2	85.1	130.3
GERMANY, DEM. REP.	75.0	281.7	356.7	77.2	286.8	364.0	77.6	297.6	375.2
HUNGARY	0	16.8	16.8	0	14.1	14.1	0	15.4	15.4
POLAND	42.5	99.4	141.9	40.1	112.9	153.0	43.0	123.5	166.5
ROMANIA	18.1	110.2	128.3	18.7	112.4	131.1	18.7	112.4	131.1
USSR	649.0	750.7	1399.7	661.4	760.6	1422.0	676.8	760.6	1437.4
YUGOSLAVIA	28.7	121.3	150.0	30.9	127.9	158.8	30.9	121.3	152.2
TOTAL EASTERN EUROPE	865.3	1533.4	2398.7	881.6	1575.5	2457.1	901.2	1597.7	2498.9
TOTAL EUROPE	1298.2	2516.4	3814.6	1305.3	2540.8	3846.1	1321.2	2519.0	3840.2

Y Yarn+monofilaments.

S Staple+tow+fiberfill.

a. Starting in 1986 country detail is no longer available due to disclosure.

These totals do not include data for the Indonesian pilot plant nor production of cellulosic fiber in North Korea.

Production and producing capacity by country, divided between rayon and acetate yarn, is given on pages 174 - 175.

Also note page 178 for data on production of cigarette tow.

ACTUAL PRODUCTION						PRODUCING CAPACITY					
1985			1986			3/1987			12/1988		
Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
32.8	240.3	273.1	DETAIL NO LONGER AVAILABLE		271.2	DETAIL NO LONGER AVAILABLE		284.4	DETAIL NO LONGER AVAILABLE		286.6
92.6	0	92.6			88.2			99.6			99.6
0	132.3	132.3			121.3			143.3			143.3
15.4	33.1	48.5			46.3			55.1			55.1
141.1	121.3	262.4			266.8			288.8			288.8
15.4	0	15.4			17.4			17.6			17.6
66.6	0	66.6			66.1			92.6			99.2
0	0	0			0			0			0
2.2	0	2.2			1.5			4.4			4.4
16.5	66.1	82.6			79.4			90.6			90.6
0	72.8	72.8			48.7			99.2			103.6
2.2	15.4	17.6			17.6			20.3			20.3
41.9	132.7	174.6			127.9			166.4			166.4
426.7	814.0	1240.7	418.0	734.4	1152.4	494.9	867.4	1362.3	501.5	874.0	1375.5
9.0	82.9	91.9	9.3	83.8	93.1	11.0	92.6	103.6	11.0	92.6	103.6
46.1	87.3	133.4	46.5	89.3	135.8	55.1	134.5	189.6	55.1	134.5	189.6
78.0	291.9	369.9	78.5	201.7	280.2	86.0	366.0	452.0	86.0	366.0	452.0
0	15.4	15.4	0	15.4	15.4	0	22.0	22.0	0	22.0	22.0
45.2	132.3	177.5	45.6	138.9	184.5	70.5	157.6	228.1	70.5	157.6	228.1
19.4	116.8	136.2	19.8	121.3	141.1	22.0	352.7	374.7	22.0	352.7	374.7
687.8	771.6	1459.4	696.7	771.6	1468.3	749.6	778.2	1527.8	749.6	778.2	1527.8
32.8	121.3	154.1	33.3	123.5	156.8	37.5	132.3	169.8	37.5	132.3	169.8
918.3	1619.5	2537.8	929.7	1546.0	2475.7	1031.7	2035.9	3067.6	1031.7	2035.9	3067.6
1345.0	2433.5	3778.5	1347.7	2280.4	3628.1	1526.6	2903.3	4429.9	1533.2	2909.9	4443.1

TABLE 4:
WORLDWIDE CELLULOSIC FIBER PRODUCTION & PRODUCING CAPACITY BY COUNTRY *(CONTINUED)*
MILLION POUNDS

COUNTRY	ACTUAL PRODUCTION								
	1982			1983			1984		
	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
U.S.A.	**228.4**	**354.9**	**583.3**	**263.9**	**376.1**	**640.0**	**239.0**	**388.9**	**627.9**
OTHER AMERICAS									
ARGENTINA	3.5	0	3.5	3.7	0	3.7	4.0	3.3	7.3
BRAZIL	45.9	53.4	99.3	40.6	48.5	89.1	39.0	63.9	102.9
CANADA	20.9	61.7	82.6	22.0	66.1	88.1	22.0	74.7	96.7
CHILE	2.2	7.1	9.3	2.2	7.1	9.3	2.6	8.2	10.8
COLOMBIA	4.0	0	4.0	4.0	0	4.0	4.0	0	4.0
CUBA	4.6	7.9	12.5	4.4	7.7	12.1	4.4	7.7	12.1
MEXICO	31.1	11.9	43.0	23.8	11.0	34.8	25.6	8.8	34.4
PERU	2.2	0	2.2	2.2	0	2.2	3.7	0	3.7
URUGUAY	1.3	0	1.3	2.2	0	2.2	2.2	0	2.2
VENEZUELA	2.6	0	2.6	3.3	0	3.3	4.2	0	4.2
TOTAL OTHER AMERICAS	**118.3**	**142.0**	**260.3**	**108.4**	**140.4**	**248.8**	**111.7**	**166.6**	**278.3**
JAPAN	**265.7**	**570.6**	**836.3**	**257.5**	**597.4**	**854.9**	**244.3**	**587.7**	**832.0**
CHINA, PRC	**176.4**	**231.5**	**407.9**	**187.4**	**220.5**	**407.9**	**191.8**	**238.1**	**429.9**
OTHER ASIA									
BANGLADESH	5.5	0	5.5	5.5	2.2	7.7	5.5	2.2	7.7
INDIA	107.1	116.4	223.5	101.9	154.1	256.0	91.9	220.7	312.6
INDONESIA	0	39.9	39.9	0	75.2	75.2	0	91.0	91.0
KOREA, REP. OF	21.8	12.8	34.6	28.4	0	28.4	28.2	0	28.2
PAKISTAN	5.5	0	5.5	6.0	0	6.0	6.8	0	6.8
TAIWAN	7.3	197.3	204.6	6.6	217.2	223.8	5.5	276.7	282.2
THAILAND	0	34.2	34.2	0	38.6	38.6	0	39.7	39.7
TOTAL OTHER ASIA	**147.2**	**400.6**	**547.8**	**148.4**	**487.3**	**635.7**	**137.9**	**630.3**	**768.2**
MIDDLE EAST, AFRICA & OCEANIA									
EGYPT	15.4	9.9	25.3	15.4	10.1	25.5	15.4	10.1	25.5
IRAQ	6.6	12.1	18.7	6.6	12.1	18.7	6.6	12.1	18.7
TOTAL M.E., A & O	**22.0**	**22.0**	**44.0**	**22.0**	**22.2**	**44.2**	**22.0**	**22.2**	**44.2**
TOTAL WORLD	**2256.2**	**4238.0**	**6494.2**	**2292.9**	**4384.7**	**6677.6**	**2267.9**	**4552.8**	**6820.7**

ACTUAL PRODUCTION						PRODUCING CAPACITY					
1985			1986			3/1987			12/1988		
Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
205.0	353.0	558.0	214.9	404.1	619.0	*244.0*	*465.0*	*709.0*	*244.0*	*465.0*	*709.0*
3.3	3.3	6.6	4.4	7.9	12.3	*19.8*	*22.0*	*41.8*	*19.8*	*22.0*	*41.8*
44.3	58.4	102.7	37.0	74.1	111.1	*48.9*	*75.4*	*124.3*	*48.9*	*75.4*	*124.3*
17.6	59.3	76.9	19.4	64.2	83.6	*32.0*	*83.8*	*115.8*	*32.0*	*83.8*	*115.8*
2.9	8.4	11.3	2.9	8.6	11.5	*3.3*	*11.9*	*15.2*	*3.3*	*11.9*	*15.2*
4.0	0	4.0	4.0	0	4.0	*7.7*	*0*	*7.7*	*7.7*	*0*	*7.7*
4.6	7.7	12.3	5.5	7.7	13.2	*6.6*	*11.0*	*17.6*	*6.6*	*11.0*	*17.6*
26.9	0	26.9	27.1	0	27.1	*30.2*	*0*	*30.2*	*30.2*	*0*	*30.2*
3.7	0	3.7	3.7	0	3.7	*3.7*	*0*	*3.7*	*3.7*	*0*	*3.7*
2.2	0	2.2	2.2	0	2.2	*4.2*	*0*	*4.2*	*4.2*	*0*	*4.2*
4.6	0	4.6	4.9	0	4.9	*5.3*	*0*	*5.3*	*5.3*	*0*	*5.3*
114.1	137.1	251.2	111.1	162.5	273.6	*161.7*	*204.1*	*365.8*	*161.7*	*204.1*	*365.8*
230.6	624.6	855.2	235.2	560.4	795.6	*300.7*	*693.1*	*993.8*	*300.7*	*693.1*	*993.8*
191.8	246.9	438.7	191.8	286.6	478.4	*220.5*	*330.7*	*551.2*	*220.5*	*330.7*	*551.2*
6.0	2.2	8.2	6.0	2.4	8.4	*14.3*	*11.0*	*25.3*	*14.3*	*11.0*	*25.3*
103.4	209.4	312.8	109.8	190.3	300.1	*154.3*	*284.0*	*438.3*	*154.3*	*284.0*	*438.3*
0	88.2	88.2	0	86.6	86.6	*0*	*103.6*	*103.6*	*0*	*103.6*	*103.6*
30.4	0	30.4	30.6	0	30.6	*30.9*	*61.9*	*92.8*	*35.1*	*61.9*	*97.0*
7.1	0	7.1	7.1	0	7.1	*7.3*	*0*	*7.3*	*7.3*	*0*	*7.3*
5.5	263.4	268.9	6.2	258.2	264.4	*8.8*	*285.7*	*294.5*	*8.8*	*285.7*	*294.5*
0	41.9	41.9	0	41.9	41.9	*0*	*45.9*	*45.9*	*0*	*45.9*	*45.9*
152.4	605.1	757.5	159.7	579.4	739.1	*215.6*	*792.1*	*1007.7*	*219.8*	*792.1*	*1011.9*
15.4	10.4	25.8	15.4	10.4	25.8	*15.4*	*11.9*	*27.3*	*15.4*	*11.9*	*27.3*
6.6	12.1	18.7	6.6	12.1	18.7	*7.7*	*14.3*	*22.0*	*7.7*	*14.3*	*22.0*
22.0	22.5	44.5	22.0	22.5	44.5	*23.1*	*26.2*	*49.3*	*23.1*	*26.2*	*49.3*
2260.9	4422.7	6683.6	2282.4	4295.9	6578.3	*2692.2*	*5414.5*	*8106.7*	*2703.0*	*5421.1*	*8124.1*

TABLE 5:
WORLDWIDE RAYON VS. ACETATE FILAMENT YARN PRODUCTION & PRODUCING CAPACITY BY COUNTRY
MILLION POUNDS

COUNTRY	ACTUAL PRODUCTION								
	1982			1983			1984		
	H	R&C	A	H	R&C	A	H	R&C	A
WESTERN EUROPE									
AUSTRIA	20	11	0	18	9	0	22	11	0
BELGIUM/NETHERLANDS	33	35	13	40	36	15	40	35	15
FRANCE	0	20	0	0	18	0	0	15	0
GERMANY, FED. REP.[a]	88	46	+	85	43	0	88	47	0
ITALY[a]	20	7	42	20	4	40	24	4	41
SPAIN	9	9	7	7	9	7	+	9	7
UNITED KINGDOM	0	0	53	0	0	55	0	0	47
OTHER[b]	0	20	0	0	18	0	0	15	0
TOTAL WESTERN EUROPE	**170**	**148**	**115**	**170**	**137**	**117**	**174**	**136**	**110**
EASTERN EUROPE									
BULGARIA	0	9	0	0	9	0	0	9	0
CZECHOSLOVAKIA	18	26	0	18	25	0	18	26	0
GERMANY, DEM. REP.	29	46	0	31	49	0	31	49	0
POLAND	9	33	0	9	31	0	11	33	0
ROMANIA	11	7	0	11	7	0	11	7	0
USSR[a]	353	176	120	357	183	122	364	186	126
YUGOSLAVIA[a]	13	15	0	15	15	0	15	15	0
TOTAL EASTERN EUROPE	**433**	**312**	**120**	**441**	**319**	**122**	**450**	**325**	**126**
U.S.A.[a]	**20**	**13**	**195**	**23**	**13**	**228**	**29**	**12**	**198**
OTHER AMERICAS									
ARGENTINA	0	0	4	0	0	4	0	0	4
BRAZIL	8	33	4	8	31	2	9	27	5
CANADA	0	0	23	0	0	23	0	0	23
CHILE	0	2	0	0	2	0	0	2	0
COLOMBIA	0	0	4	0	0	4	0	0	4
CUBA	4	+	0	4	+	0	4	0	0
MEXICO	7	11	13	7	4	13	4	7	13
PERU	0	0	2	0	0	2	0	0	4
URUGUAY	0	0	2	0	0	2	0	0	2
VENEZUELA	0	0	2	0	0	2	0	0	4
TOTAL OTHER AMERICAS	**19**	**46**	**54**	**19**	**37**	**52**	**17**	**36**	**59**
JAPAN[a]	**8**	**183**	**75**	**7**	**180**	**71**	**4**	**172**	**68**
CHINA, PRC	**0**	**176**	**0**	**0**	**187**	**0**	**0**	**192**	**0**
OTHER ASIA									
BANGLADESH	0	7	0	0	7	0	0	7	0
INDIA	25	79	4	21	77	2	18	71	2
KOREA, REP. OF	0	17	4	0	24	3	0	23	3
PAKISTAN	0	0	4	0	0	7	0	0	7
TAIWAN	0	7	0	0	7	0	0	7	0
TOTAL OTHER ASIA	**25**	**110**	**12**	**21**	**115**	**12**	**18**	**108**	**12**
OTHER M.E., A & O[c]	**0**	**22**	**0**	**0**	**22**	**0**	**0**	**22**	**0**
WORLD TOTAL	**675**	**1010**	**571**	**681**	**1010**	**602**	**692**	**1003**	**573**

H High tenacity (tire & industrial type) viscose rayon yarn.
R Regular + intermediate tenacity viscose rayon yarn.
C Cuprammonium rayon yarn.
A Acetate + triacetate yarn.
a. Produces both regular + intermediate rayon yarn and cuprammonium rayon yarn.
b. Comprises Finland, Greece, Portugal, Switzerland and Turkey.
c. Comprises Egypt and Iraq.

ACTUAL PRODUCTION						PRODUCING CAPACITY					
1985			1986			3/1987			12/1988		
H	R&C	A	H	R&C	A	H	R&C	A	H	R&C	A
22	11	0	DETAIL NO LONGER AVAILABLE			DETAIL NO LONGER AVAILABLE			DETAIL NO LONGER AVAILABLE		
40	37	15									
0	15	0									
88	54	0									
24	4	41									
+	9	7									
0	0	42									
0	18	0									
174	148	105	157	151	110	*187*	*186*	*122*	*194*	*186*	*122*
0	9	0	0	9	0	*0*	*11*	*0*	*0*	*11*	*0*
18	28	0	18	28	0	*24*	*31*	*0*	*24*	*31*	*0*
31	49	0	31	49	0	*33*	*53*	*0*	*33*	*53*	*0*
11	35	0	11	35	0	*20*	*51*	*0*	*20*	*51*	*0*
11	9	0	11	9	0	*13*	*9*	*0*	*13*	*9*	*0*
365	191	129	367	195	132	*375*	*220*	*154*	*375*	*220*	*154*
17	15	0	17	18	0	*18*	*20*	*0*	*18*	*20*	*0*
453	336	129	455	343	132	*483*	*395*	*154*	*483*	*395*	*154*
20	13	172	16	13	185	*51*	*13*	*180*	*51*	*13*	*180*
0	0	4	0	0	4	*0*	*13*	*7*	*0*	*13*	*7*
9	34	2	3	34	0	*11*	*36*	*4*	*11*	*36*	*4*
0	0	18	0	0	20	*0*	*0*	*32*	*0*	*0*	*32*
0	2	0	0	2	0	*0*	*2*	*0*	*0*	*2*	*0*
0	0	4	0	0	4	*0*	*0*	*7*	*0*	*0*	*7*
4	0	0	7	0	0	*7*	*0*	*0*	*7*	*0*	*0*
7	7	13	7	7	13	*7*	*9*	*15*	*7*	*9*	*15*
0	0	4	0	0	4	*0*	*0*	*4*	*0*	*0*	*4*
0	0	2	0	0	2	*0*	*0*	*4*	*0*	*0*	*4*
0	0	4	0	0	4	*0*	*0*	*4*	*0*	*0*	*4*
20	43	51	17	43	51	*25*	*60*	*77*	*25*	*60*	*77*
4	164	63	4	170	61	*22*	*202*	*76*	*22*	*202*	*76*
0	192	0	0	192	0	*0*	*220*	*0*	*0*	*220*	*0*
0	7	0	0	7	0	*0*	*13*	*0*	*0*	*13*	*0*
15	87	+	12	97	+	*46*	*101*	*8*	*46*	*101*	*8*
0	26	3	0	26	4	*0*	*28*	*4*	*0*	*32*	*4*
0	0	7	0	0	7	*0*	*0*	*7*	*0*	*0*	*7*
0	7	0	0	7	0	*0*	*9*	*0*	*0*	*9*	*0*
15	127	10	12	137	11	*46*	*151*	*19*	*46*	*155*	*19*
0	22	0	0	22	0	*0*	*23*	*0*	*0*	*23*	*0*
686	1045	530	661	1071	550	*814*	*1250*	*628*	*821*	*1254*	*628*

TABLE 6:
WORLDWIDE NONCELLULOSIC FIBER PRODUCTION & PRODUCING CAPACITY BY FIBER EXCEPT OLEFIN
MILLION POUNDS

FIBER & AREA	ACTUAL PRODUCTION								
	1982			1983			1984		
	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
ACRYLIC+MODACRYLIC									
WEST EUROPE	0	1598	1598	0	1839	1839	2	1907	1909
EAST EUROPE	0	470	470	0	490	490	0	511	511
U.S.A.	0	624	624	0	670	670	0	670	670
OTHER AMERICAS	0	267	267	0	287	287	0	309	309
JAPAN	7	758	765	4	782	786	4	809	813
CHINA, PRC	0	146	146	0	150	150	0	152	152
OTHER ASIA	0	631	631	0	646	646	0	690	690
MIDDLE EAST, AFRICA & OCEANIA	0	37	37	0	42	42	0	35	35
TOTAL	7	4531	4538	4	4906	4910	6	5083	5089
NYLON+ARAMID [a]									
WEST EUROPE	1025	236	1261	1071	258	1329	1092	292	1384
EAST EUROPE	1008	179	1187	1069	192	1261	1128	205	1333
U.S.A.	1241	686	1927	1493	923	2416	1578	836	2414
OTHER AMERICAS	401	46	447	397	49	446	461	49	510
JAPAN	581	42	623	599	40	639	635	42	677
CHINA, PRC	88	0	88	98	0	98	126	2	128
OTHER ASIA	653	7	660	677	7	684	756	7	763
MIDDLE EAST, AFRICA & OCEANIA	95	2	97	103	4	107	115	2	117
TOTAL	5092	1198	6290	5507	1473	6980	5891	1435	7326
POLYESTER									
WEST EUROPE	866	944	1810	853	1001	1854	959	1074	2033
EAST EUROPE	335	765	1100	376	822	1198	428	860	1288
U.S.A.	1213	1952	3165	1361	2185	3546	1199	2191	3390
OTHER AMERICAS	410	348	758	445	417	862	497	489	986
JAPAN	692	693	1385	683	705	1388	722	706	1428
CHINA, PRC	32	456	488	33	485	518	86	707	793
OTHER ASIA	1075	1281	2356	1279	1472	2751	1528	1684	3212
MIDDLE EAST, AFRICA & OCEANIA	75	115	190	93	133	226	102	164	266
TOTAL	4698	6554	11252	5123	7220	12343	5521	7875	13396
OTHER FIBERS EXCEPT OLEFIN [b]									
WEST EUROPE	13	20	33	13	20	33	13	20	33
EAST EUROPE	2	7	9	0	7	7	2	4	6
U.S.A.	18	2	20	+	+	+	+	+	+
OTHER AMERICAS	2	0	2	2	0	2	2	0	2
JAPAN	29	68	97	31	62	93	37	64	101
CHINA, PRC	15	110	125	15	122	137	15	154	169
OTHER ASIA	+	0	+	+	0	+	+	0	+
MIDDLE EAST, AFRICA & OCEANIA	0	0	0	0	0	0	0	0	0
TOTAL	79	207	286	61	211	272	69	242	311
TOTAL FIBERS ABOVE									
WEST EUROPE	1904	2798	4702	1937	3118	5055	2066	3293	5359
EAST EUROPE	1345	1421	2766	1446	1511	2957	1558	1580	3138
U.S.A.	2472	3264	5736	2852	3781	6633	2777	3697	6474
OTHER AMERICAS	813	661	1474	845	750	1595	960	847	1807
JAPAN	1309	1561	2870	1317	1589	2906	1398	1621	3019
CHINA, PRC	135	712	847	146	757	903	227	1015	1242
OTHER ASIA	1728	1919	3647	1956	2125	4081	2284	2381	4665
MIDDLE EAST, AFRICA & OCEANIA	170	154	324	196	179	375	217	201	418
WORLD TOTAL	9876	12490	22366	10695	13810	24505	11487	14635	26122

Y Yarn+monofilaments.
S Staple+tow+fiberfill.
+ Nominal quantities.
a. U.S.A. nylon producing capacity data do not include aramid.
b. Other fibers are alginate, azlon, spandex or elastomer, saran, TFE-fluorocarbon, vinal and vinyon. U.S.A. production data do not include spandex in 1983 through 1986.
c. Based on 1986 production and an average March 1986 and March 1987 producing capacity. Refer to July 1986 *Organon* for March 1986 producing capacity.

The regional totals here are the same as those on pages 166-169.

ACTUAL PRODUCTION						PRODUCING CAPACITY						% UTILIZATION [c]	
1985			1986			3/1987			12/1988				
Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S
2	2039	2041	2	2059	2061	2	2328	2330	2	2328	2330	100.0	89.9
0	575	575	0	637	637	0	798	798	0	842	842	0	82.1
0	631	631	0	615	615	0	646	646	0	657	657	0	97.0
0	298	298	0	313	313	0	441	441	0	448	448	0	71.4
4	838	842	7	869	876	13	937	950	13	937	950	50.0	92.7
0	161	161	0	165	165	0	265	265	0	265	265	0	63.8
0	708	708	0	728	728	0	937	937	0	963	963	0	63.9
0	49	49	0	51	51	0	62	62	0	62	62	0	82.1
6	5299	5305	9	5437	5446	15	6414	6429	15	6502	6517	57.5	83.7
1160	317	1477	1153	317	1470	1452	425	1877	1456	425	1881	80.5	75.1
1185	209	1394	1204	220	1424	1429	249	1678	1436	249	1685	84.9	90.1
1515	827	2342	1605	908	2513	1852	1102	2954	1909	1146	3055	87.6	84.7
492	35	527	514	37	551	776	95	871	796	95	891	66.3	40.0
643	53	696	573	42	615	728	64	792	729	64	793	79.1	65.5
154	2	156	154	2	156	198	11	209	198	11	209	77.8	20.0
807	9	816	849	9	858	1199	13	1212	1244	13	1257	69.5	48.8
122	4	126	123	4	127	242	7	249	241	7	248	52.6	86.9
6078	1456	7534	6175	1539	7714	7876	1966	9842	8009	2010	10019	79.0	79.2
1001	1071	2072	983	1105	2088	1252	1327	2579	1268	1340	2608	78.7	83.4
478	1004	1482	542	1058	1600	780	1448	2228	798	1473	2271	72.8	74.5
1321	2021	3342	1173	2134	3307	1352	2452	3804	1351	2432	3783	81.1	80.8
503	491	994	532	519	1051	745	663	1408	743	663	1406	69.5	79.8
725	713	1438	710	683	1393	977	785	1762	963	785	1748	73.5	87.1
161	977	1138	177	1158	1335	234	1433	1667	234	1433	1667	83.3	87.5
1836	1899	3735	2110	2238	4348	2875	2978	5853	3302	3297	6599	73.1	73.3
110	174	284	115	176	291	198	244	442	203	265	468	58.6	60.1
6135	8350	14485	6342	9071	15413	8413	11330	19743	8862	11688	20550	75.1	79.8
13	20	33	11	20	31	18	26	44	15	26	41	62.5	75.0
2	9	11	2	9	11	2	18	20	2	18	20	100.0	47.1
+	+	+	+	+	+	31	0	31	31	0	31	0	0
2	0	2	2	0	2	2	0	2	2	0	2	50.0	0
51	66	117	51	66	117	90	227	317	90	227	317	63.0	29.1
22	176	198	22	154	176	33	165	198	33	165	198	66.7	93.3
+	0	+	+	0	+	2	0	2	2	0	2	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
90	271	361	88	249	337	178	436	614	175	436	611	51.4	58.1
2176	3447	5623	2149	3501	5650	2722	4106	6828	2741	4119	6860	79.9	85.7
1665	1797	3462	1748	1924	3672	2211	2513	4724	2236	2582	4818	80.4	78.2
2836	3479	6315	2778	3657	6435	3248	4200	7448	3291	4235	7526	81.0	81.2
997	824	1821	1048	869	1917	1523	1199	2722	1541	1206	2747	68.1	73.5
1423	1670	3093	1341	1660	3001	1795	2013	3808	1795	2013	3808	75.2	82.5
337	1316	1653	353	1479	1832	465	1874	2339	465	1874	2339	79.6	84.1
2643	2616	5259	2959	2975	5934	4076	3928	8004	4548	4273	8821	72.0	71.2
232	227	459	238	231	469	440	313	753	444	334	778	55.2	69.2
12309	15376	27685	12614	16296	28910	16480	20146	36626	17061	20636	37697	74.7	79.4

TABLE 7:
WORLDWIDE GLASS FIBER PRODUCTION & PRODUCING CAPACITY
MILLION POUNDS

COUNTRY	PRODUCTION 1982	1983	1984	1985	1986	CAPACITY 3/87	12/88
WEST EUROPE }	551	639	661	705	802	*849*	*849*
EAST EUROPE[a] }						*198*	*198*
U.S.A.	899	1168	1393	1345	1389	*1746*	*1812*
OTHER AMERICIAS	77	82	86	71	77	*99*	*99*
JAPAN	437	454	549	602	529	*661*	*661*
MIDDLE EAST, AFRICA & OCEANIA[b]	26	31	31	62	66	*88*	*88*
TOTAL ABOVE	**1990**	**2374**	**2720**	**2785**	**2863**	***3641***	***3707***
CHINA P.R.C.	66	66	88	110	110	*154*	*154*
U.S.S.R.	143	143	165	187	220	*331*	*441*

Glass fiber is defined on page 122 of the June 1987 ***Organon***. The glass fiber producing capacity, is based on March 1987 and December 1988 annual projections.

- **a.** The data for East Europe do not include estimates for the U.S.S.R.
- **b.** The Middle East, Africa & Oceania countries are Australia, India and South Africa.

TABLE 8:
ESTIMATED WORLDWIDE CIGARETTE TOW PRODUCTION
MILLION POUNDS

AREA	1982	1983	1984	1985	1986
EUROPE[a]	179	176	176	183	229
U.S.A. OTHER AMERICAS[b] }	476	465	412	463	476
ASIA[c]	93	95	104	97	93
WORLD TOTAL	**748**	**736**	**692**	**743**	**798**

- **a.** Belgium,Germany, Fed. Rep., U.S.S.R. & United Kingdom.
- **b.** Brazil, Canada, Colombia, Mexico & Venezuela.
- **c.** Japan and Korea, Rep.of.

TABLE 9:
WORLDWIDE OLEFIN FIBER PRODUCTION
MILLION POUNDS

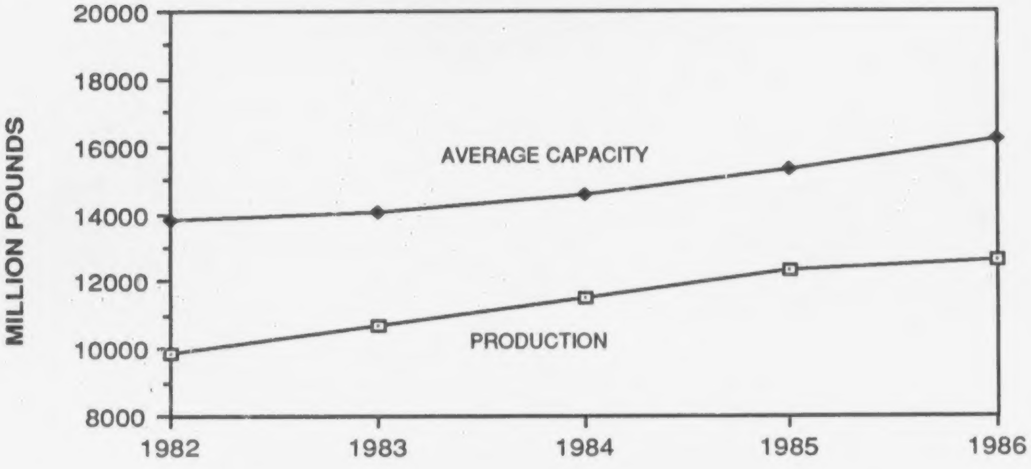
COUNTRY	1982	1983	1984	1985	1986
WEST EUROPE					
AUSTRIA	42	44	46	66	77
BENELUX	161	165	214	265	271
DENMARK	29	31	31	55	62
FINLAND	7	9	31	53	53
FRANCE	57	64	64	110	117
GREECE/CYPRUS	20	22	24	31	31
GERMANY, FED. REP.	121	134	179	249	258
IRELAND	18	20	20	20	20
ITALY	130	148	201	280	287
NORWAY	9	11	9	9	9
PORTUGAL	84	86	86	88	90
SPAIN	79	79	82	82	84
SWEDEN	7	9	9	13	15
SWITZERLAND	7	9	18	31	33
TURKEY	11	13	13	13	13
UNITED KINGDOM	168	176	176	198	209
TOTAL WEST EUROPE	**950**	**1020**	**1203**	**1563**	**1629**
EAST EUROPE					
CZECHOSLOVAKIA	24	26	26	26	26
HUNGARY	35	35	35	37	37
POLAND	26	33	35	35	37
U.S.S.R.	31	40	44	49	53
U.S.A.					
YARN+MONOFIL	295	370	386	423	470
STAPLE	139	190	249	302	335
FILM FIBER	289	328	340	514	580
OTHER AMERICAS					
ARGENTINA	24	26	26	29	29
BRAZIL	86	79	86	86	88
CANADA	62	71	66	71	73
CHILE	2	2	2	2	2
EL SALVADOR GUATEMALA } HONDURAS	4	7	7	7	7
MEXICO	51	57	57	57	57
NICARAGUA	2	2	2	2	2
PERU	13	13	13	13	15
URUGUAY	2	4	4	4	4
JAPAN					
YARN+MONOFIL	31	31	31	31	24
STAPLE	62	64	71	77	82
FILM FIBER	NA	NA	NA	NA	NA
OTHER ASIA					
KOREA, REP. OF	4	2	2	2	0
PHILIPPINES	7	7	7	7	7
TAIWAN	123	132	139	157	170
MIDDLE EAST, AFRICA & OCEANIA					
AUSTRALIA	42	47	49	51	55
SOUTH AFRICA	7	11	11	11	11
OTHER	+	2	2	2	2

The olefin data shown include the "official" country data published by a government, an association or other statistical agency as well as an estimate of the olefin fiber, mainly slit and split film fiber, believed to have been produced in the country. For example: although U.S. olefin production data include yarn, monofil, staple, film fiber, and spunbonded polypropylene, published Italian and Japanese olefin data show the production of yarn+monofilaments and staple+tow but no data on production of film fiber, such as that used in sacks, fishing nets, and carpet backing. Estimates were made in the latter example.

Due to the inconsistencies in olefin production reporting, we have made no attempt to show a worldwide total.

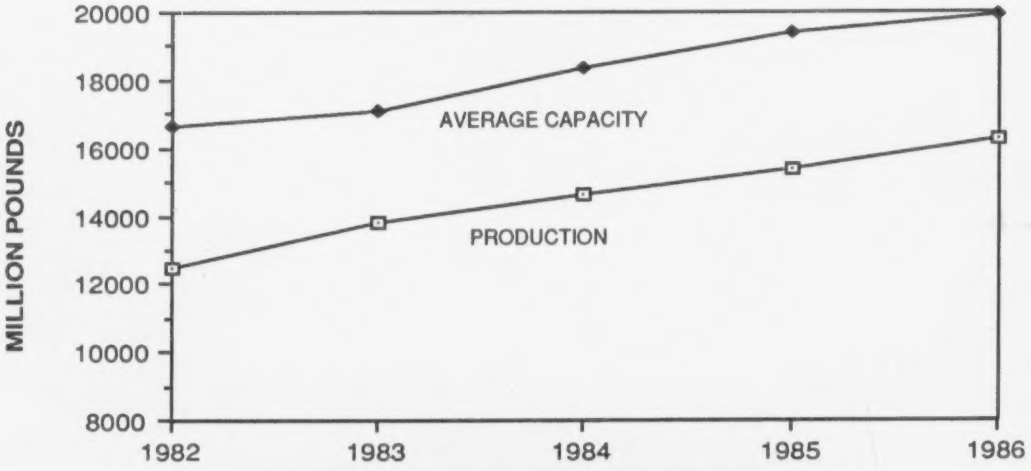
GRAPH 3:
WORLDWIDE NONCELLULOSIC FIBER PRODUCTION & PRODUCING CAPACITY

YARN+MONOFILAMENTS



YEAR	PRODUCTION	AVERAGE CAPACITY[a]
1982	9876	13802
1983	10695	14071
1984	11487	14534
1985	12309	15332
1986	12614	16172

STAPLE+TOW

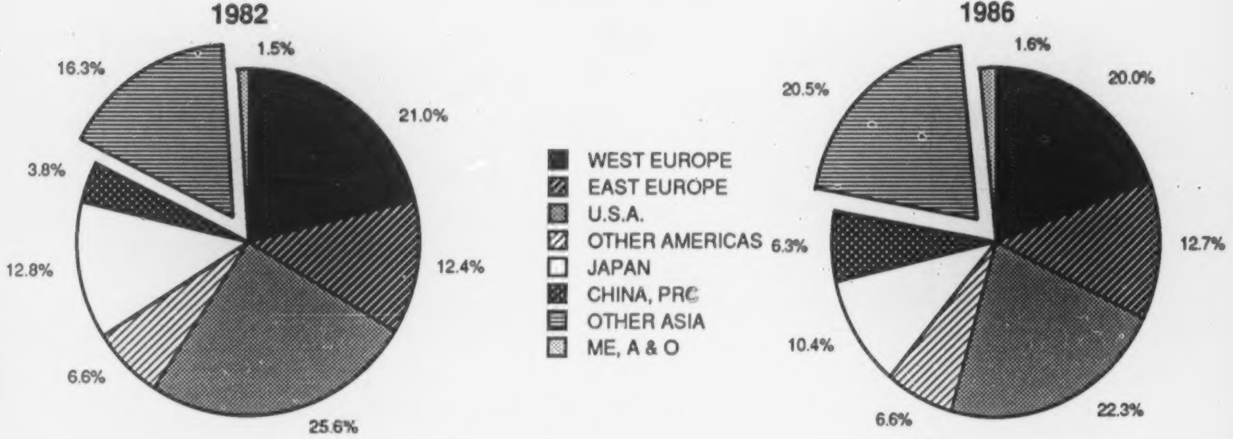


YEAR	PRODUCTION	AVERAGE CAPACITY[a]
1982	12490	16659
1983	13810	17121
1984	14635	18339
1985	15376	19420
1986	16296	19922

a. For example, 1982 capacity is based on an average March 1982 and March 1983 producing capacity.

GRAPH 4:
PERCENT SHARE OF WORLDWIDE NONCELLULOSIC FIBER PRODUCTION & PRODUCING CAPACITY BY AREA

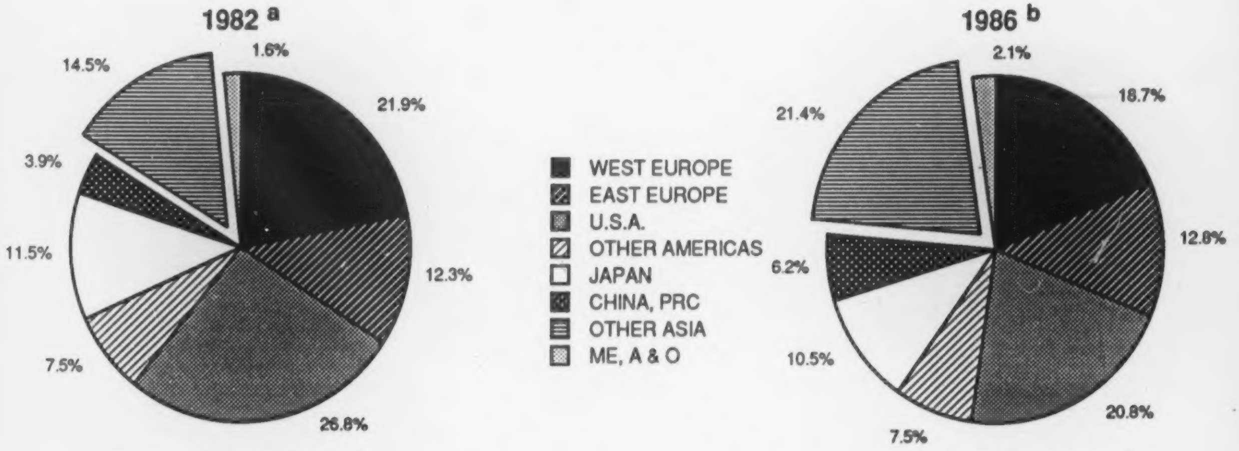
PRODUCTION



TOTAL: 22,366 MM LBS

TOTAL: 28,910 MM LBS

PRODUCING CAPACITY



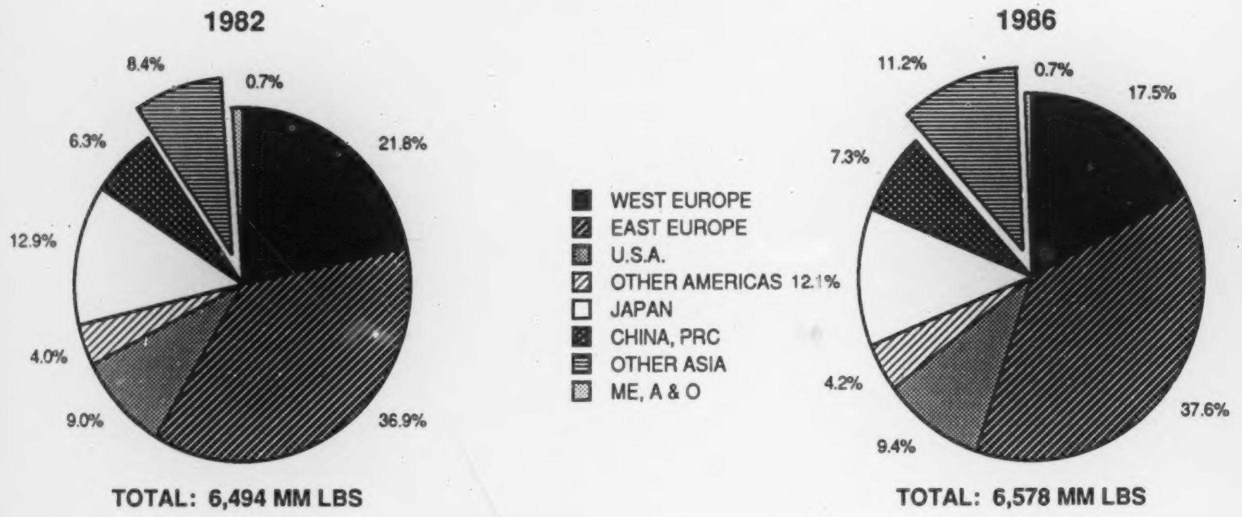
TOTAL: 30,461 MM LBS

TOTAL: 36,091 MM LBS

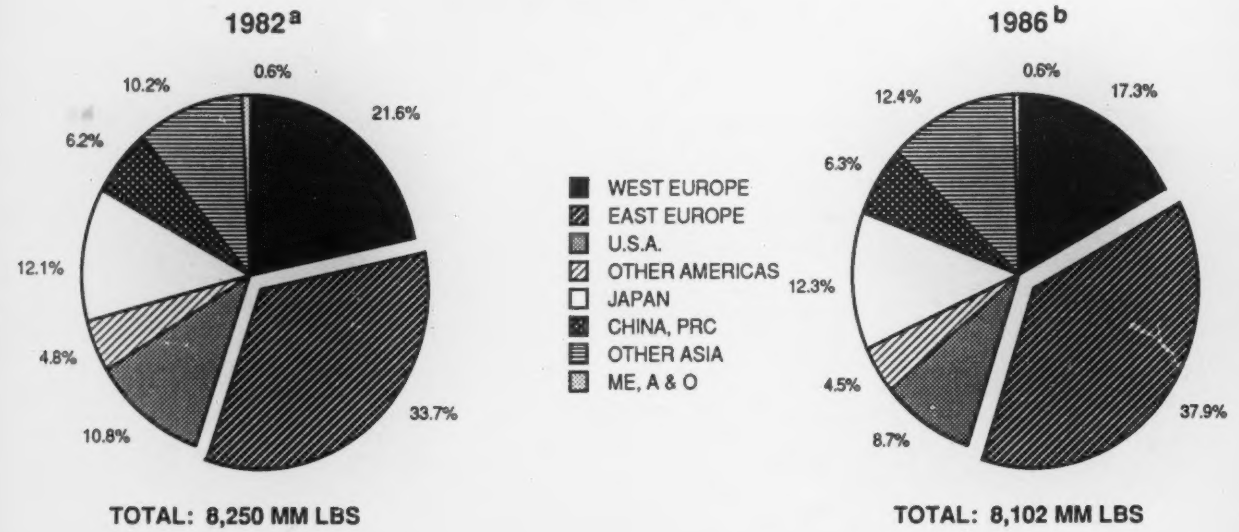
a. Based on an average March 1982 and March 1983 producing capacity.
b. Based on an average March 1986 and March 1987 producing capacity.

GRAPH 5:
PERCENT SHARE OF WORLDWIDE CELLULOSIC FIBER PRODUCTION & PRODUCING CAPACITY BY AREA

PRODUCTION

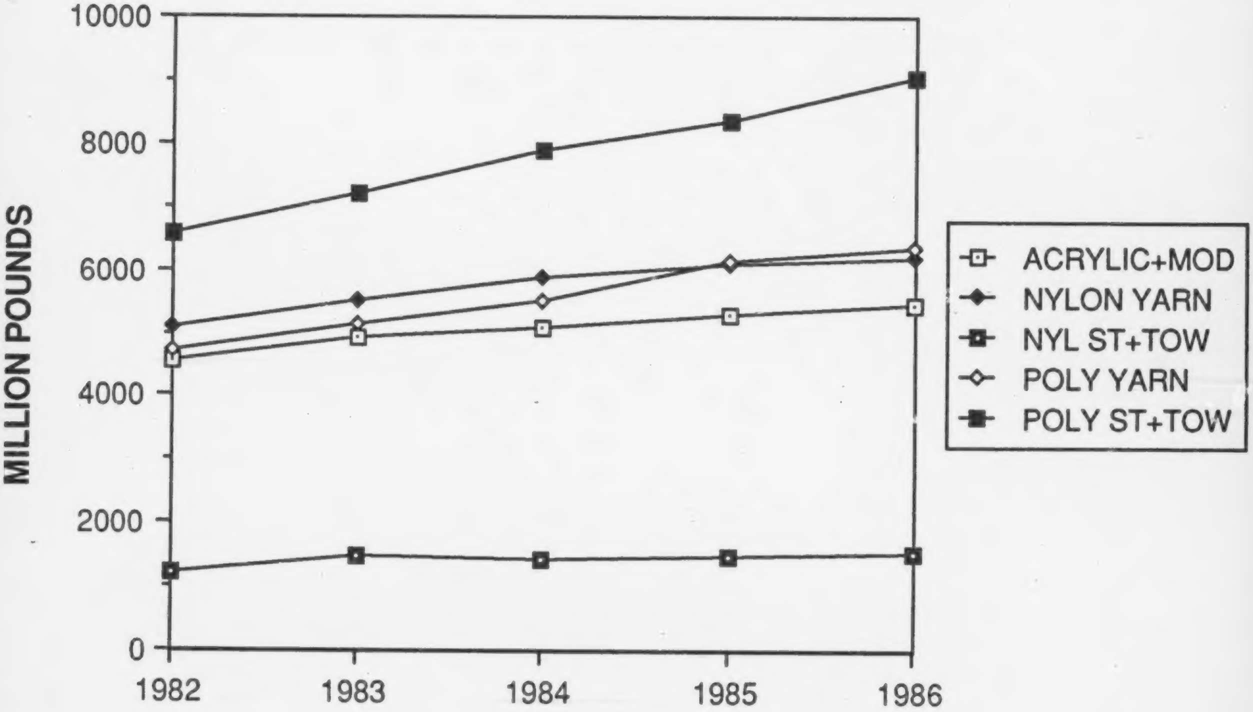


PRODUCING CAPACITY



a. Based on an average March 1982 and March 1983 producing capacity.
b. Based on an average March 1986 and March 1987 producing capacity.

GRAPH 6:
WORLDWIDE PRODUCTION OF SELECTED NONCELLULOSIC FIBERS
1982-1986



- SURGE IN U.S. MAN-MADE FIBER IMPORTS - - UP 11.2%
- MAN-MADE FIBER TRADE BALANCE DECLINES 9.7% TO 146.3 MILLION POUNDS

In the first five months of 1987, man-made fiber imports grew 11.2% to 165.6 million pounds from the 148.9 million pounds imported in January-May 1986. The export position was essentially unchanged at 312 million pounds.

Imports of noncellulosic yarn+monofilaments for the first five months of 1987 show a significant increase of 27.1% to 54.9 million pounds. These imports were only 43.2 million pounds during the same period last year. Noncellulosic staple+tow imports increased 5.5% to 78.9 million pounds.

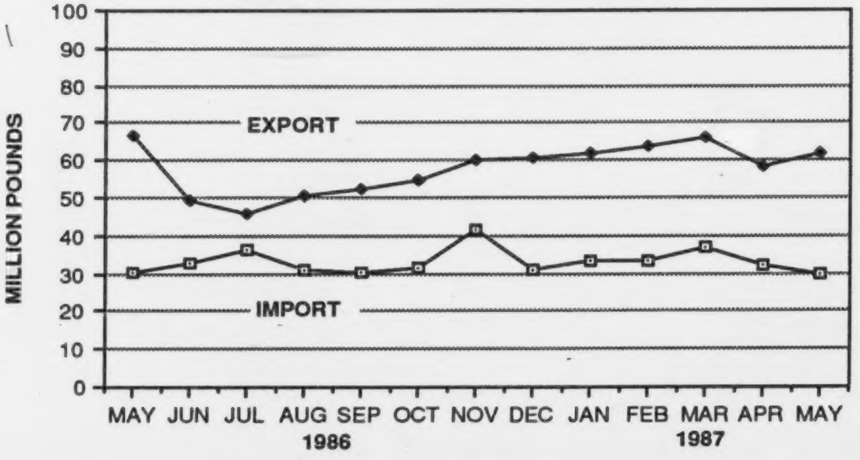
Textured nylon yarn and polyester staple+tow were both major contributors to the increase, with textured nylon imports 66.3% ahead of January-May imports a year ago - - 14.3 million pounds vs. 8.6 million pounds. Essentially all the textured nylon imports were in the over 450 denier category.

Another major import gain was registered by polyester staple+tow which rose 81.8% to 26.9 million pounds from last year's January-May 14.8 million pound level.

MAJOR SUPPLIERS OF NONCELLULOSIC FIBER - JANUARY-MAY 1987
MILLION POUNDS & *PERCENT CHANGE* FROM JAN-MAY '86

	YARN+MONOFILAMENTS			STAPLE+TOW	
	MM LBS	% CHANGE		MM LBS	% CHANGE
Germany, Fed. Rep.	10.7	+64.6%	Canada	13.9	+41.8%
Mexico	9.3	+126.8%	Japan	9.8	+12.6%
Canada	7.9	+54.9%	Taiwan	9.3	+3.3%
Italy	5.6	+24.4%	Mexico	7.8	+30.0%

GRAPH 7:
IMPORTS VS. EXPORTS OF MAN-MADE FIBER



GRAPH 8:
MAN-MADE FIBER MONTHLY TRADE BALANCE

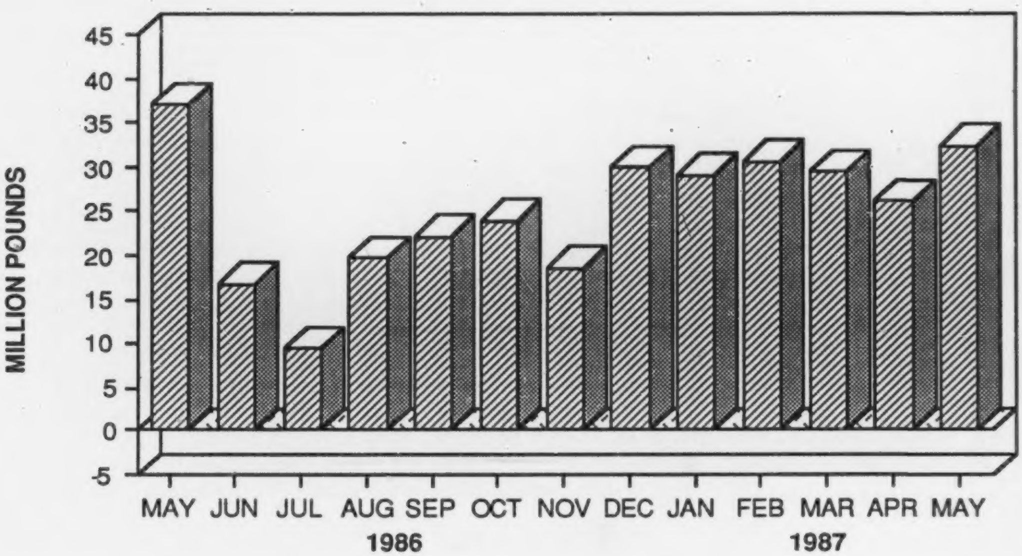


TABLE 10:
MAN-MADE FIBER MONTHLY TRADE BALANCE
MILLION POUNDS

	CELLULOSIC YARN & MONOFIL			CELLULOSIC STAPLE+TOW			NONCELLULOSIC YARN & MONOFIL			NONCELLULOSIC STAPLE+TOW			CELLULOSIC WASTE			NONCELLULOSIC WASTE			TOTAL		
1986	IMP	EXP	BAL	IMP	EXP	BAL	IMP	EXP	BAL	IMP	EXP	BAL	IMP	EXP	BAL	IMP	EXP	BAL	IMP	EXP	BAL
JANUARY	1.4	0.5	-0.9	1.6	2.4	+0.8	8.3	28.9	+20.6	16.0	25.2	+9.2	+	0.1	+0.1	3.4	8.5	+5.1	30.7	65.6	+34.9
FEBRUARY	1.3	0.5	-0.8	1.1	2.6	+1.5	8.4	24.1	+15.7	14.9	27.0	+12.1	0	0.2	+0.2	3.9	11.9	+8.0	29.6	66.3	+36.7
MARCH	1.4	0.7	-0.7	1.5	5.5	+4.0	8.8	23.3	+14.5	15.1	20.7	+5.6	+	0.2	+0.2	3.4	9.6	+6.2	30.2	60.0	+29.8
APRIL	1.6	0.7	-0.9	1.4	1.0	-0.4	7.3	20.9	+13.6	14.6	18.6	+4.0	+	0.3	+0.3	3.5	11.7	+8.2	28.4	53.2	+24.8
MAY	2.0	0.8	-1.2	1.2	2.6	+1.4	9.9	29.9	+20.0	14.1	22.7	+8.6	+	0.1	+0.1	3.3	10.3	+7.0	30.5	66.4	+35.9
JUNE	1.3	0.6	-0.7	1.3	1.7	+0.4	12.3	19.4	+7.1	14.2	18.2	+4.0	+	0.2	+0.2	3.7	9.4	+5.7	32.8	49.5	+16.7
JULY	1.2	0.6	-0.6	1.7	3.2	+1.5	13.0	19.5	+6.5	16.6	17.8	+1.2	0	0.1	+0.1	3.9	4.8	+0.9	36.4	46.0	+9.6
AUGUST	1.2	0.4	-0.8	1.5	3.0	+1.5	11.2	17.8	+6.6	14.7	18.2	+3.5	0	0.4	+0.4	2.3	10.7	+8.4	30.9	50.5	+19.6
SEPTEMBER	1.3	0.8	-0.5	1.7	1.6	-0.1	9.4	17.7	+8.3	14.6	21.1	+6.5	+	0.1	+0.1	3.3	11.1	+7.8	30.3	52.4	+22.1
OCTOBER	1.3	0.7	-0.6	1.7	3.3	+1.6	11.5	16.1	+4.6	14.8	23.6	+8.8	+	0.4	+0.4	2.5	10.7	+8.2	31.8	54.8	+23.0
NOVEMBER	1.7	0.5	-1.2	1.8	3.8	+2.0	14.3	17.8	+3.5	19.6	23.2	+3.6	0	0.2	+0.2	4.1	14.5	+10.4	41.5	60.0	+18.5
DECEMBER	1.2	0.5	-0.7	0.9	1.9	+1.0	11.4	20.2	+8.8	14.3	27.5	+13.2	0	+	+	3.0	10.5	+7.5	30.8	60.6	+29.8
TOTAL	16.9	7.3	-9.6	17.4	32.6	+15.2	125.8	255.6	+129.8	193.5	263.8	+80.3	+	2.3	+2.3	40.3	123.7	+83.4	383.9	685.3	+301.4
1987																					
JANUARY	1.3	0.5	-0.8	1.0	4.0	+3.0	10.4	17.6	+7.2	16.8	32.4	+15.6	0	0.2	+0.2	3.8	7.5	+3.7	33.3	62.2	+28.9
FEBRUARY	0.8	0.5	-0.3	1.4	1.8	+0.4	11.8	18.7	+6.9	15.5	32.1	+16.6	0	0.2	+0.2	3.7	10.2	+6.5	33.2	63.5	+30.3
MARCH	0.9	0.8	-0.1	1.7	3.3	+1.6	11.9	18.9	+7.0	17.0	30.1	+13.2	0	+	+	5.5	13.0	+7.5	37.0	66.1	+29.1
APRIL	1.0	0.5	-0.5	1.4	2.8	+1.4	11.5	17.3	+5.8	14.9	28.0	+13.1	+	0.1	+0.1	3.4	9.4	+5.9	32.2	58.1	+25.9
MAY	0.8	0.7	-0.1	1.1	2.8	+1.7	9.3	19.9	+10.6	14.7	29.0	+14.3	0	0.1	+0.1	4.1	9.6	+5.5	30.0	62.1	+32.1

SOURCES: The fiber import and export data are from the U.S. Bureau of the Census (Reports IM145X and EM522).

+ Net export balance.

- Net import balance.

TABLE 11:
SELECTED U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION BY COUNTRY OF ORIGIN
THOUSAND POUNDS

ITEMS & COUNTRY	1987												YEAR TO DATE	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1987	1986
CELLULOSIC YARN, MONOFIL & STRIPS														
BRAZIL	86	29	0	28	54								197	191
CANADA	425	368	175	323	285								1576	1846
GERMANY, FED. REP.	442	229	561	363	332								1927	2165
JAPAN	209	10	39	39	6								303	246
KOREA, REP. OF	1	0	0	0	0								1	300
MEXICO	3	15	10	102	28								158	257
NETHERLANDS	101	43	105	147	38								434	810
ALL OTHER COUNTRIES [a]	0	141	1	43	43								228	802
TOTAL CELLULOSIC YARN	1267	835	891	1045	786								4824	6617
CELLULOSIC STAPLE+TOW														
AUSTRIA	0	40	0	0	0								40	523
CANADA	749	1188	1356	1230	841								5364	4194
JAPAN	59	166	168	18	98								511	562
MEXICO	0	0	0	0	0								0	583
UNITED KINGDOM	46	5	73	24	0								148	335
ALL OTHER COUNTRIES [b]	131	23	63	106	150								473	611
TOTAL CELLULOSIC STAPLE+TOW	985	1424	1660	1378	1089								6536	6808
NONCELLULOSIC YARN, MONOFIL & STRIPS														
AUSTRALIA	4	19	17	5	12								57	57
AUSTRIA	0	17	6	5	+								28	389
BELGIUM	1408	1377	559	560	653								4557	4330
CANADA	890	1976	1613	1605	1802								7886	5100
COSTA RICA	729	515	642	589	590								3065	2603
FRANCE	686	685	659	648	306								2984	2515
GERMANY, FED. REP.	1744	2397	2421	2740	1373								10675	6480
IRELAND	81	58	0	0	106								245	135
ISRAEL	162	233	90	249	321								1055	1411
ITALY	1202	866	1292	1254	940								5554	4455
JAPAN	964	570	670	661	525								3390	3806
MEXICO	1167	2037	2527	1939	1660								9330	4127
NETHERLANDS	93	184	151	99	61								588	577
ROMANIA	32	0	25	24	0								81	135
SOUTH AFRICA	88	0	0	0	0								88	3447
SWITZERLAND	253	+	64	2	9								328	375
TAIWAN	14	2	63	46	34								159	377
UNITED KINGDOM	735	39	844	894	483								2995	2196
ALL OTHER COUNTRIES [c]	172	785	253	174	416								1800	722
TOTAL NONCELLULOSIC YARN	10424	11760	11896	11494	9291								54865	43237
NONCELLULOSIC STAPLE+TOW														
AUSTRALIA	0	0	0	0	0								0	235
BELGIUM	21	36	18	18	53								146	224
BRAZIL	0	438	236	379	262								1315	117
CANADA	3125	3071	3201	2248	2236								13881	9770
FRANCE	955	588	532	585	520								3180	4613
GERMANY, FED. REP.	2586	2611	2194	2463	1766								11620	14383
IRELAND	109	0	0	0	0								109	82
ISRAEL	62	0	31	0	291								384	279
ITALY	2265	1616	2200	980	344								7405	6735
JAPAN	1849	1623	2230	2472	1577								9751	8653
KOREA, REP. OF	935	844	655	614	1247								4295	1829
MEXICO	1586	1554	1784	824	2080								7828	5989
ROMANIA	372	86	590	88	516								1652	894
SOUTH AFRICA	0	0	0	0	0								0	246
SWITZERLAND	71	139	198	89	17								514	296
TAIWAN	1911	1487	1338	2580	1985								9301	9036
UNITED KINGDOM	777	1280	1522	1264	1635								6478	10381
ALL OTHER COUNTRIES [d]	133	108	265	344	228								1078	1031
TOTAL NONCELLULOSIC STAPLE+TOW	16757	15481	16994	14948	14757								78937	74793

+ Nominal quantity.

Other countries supplying 1987 quantities are:

a. Austria 223, France 3, Belgium 1, United Kingdom 1.

b. Italy 259, Sweden 180, Germany, Fed. Rep. 23, France 7, Finland 3, Belgium 1.

c. Yugoslavia 596, China, PRC 361, Singapore 204, Korea, Rep. of 164, Denmark 125, Argentina 69, Finland 61, Spain 59, Turkey 39, Morocco 33, Norway 32, Philippines 27, Chile 14, Sweden 6, Thailand 4, Brazil 3, Greece 1, Guatemala 1, Iceland 1, Hong Kong.

d. Austria 406, Malaysia 325, Denmark 133, Costa Rica 91, Hong Kong 50, Turkey 37, China,PRC 17, Netherlands 16, Portugal 2, Sweden 1, Philippines.

TABLE 12:
U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/87	1987												YEAR TO DATE	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1987	1986
CELLULOSIC FIBERS															
YARN - SINGLES															
TEXTURED	310.0106 &..0206	29	139	0	45	57								270	210
OTHER	310.0130 & .0230[a]	1237	691	891	1000	729								4548	5923
MONOFILAMENTS	309.0310 & .0610	0	5	0	0	0								5	15
STRIPS, $1/LB & UNDER	309.2000*	1	0	0	0	0								1	469
SUBTOTAL ABOVE		**1267**	**835**	**891**	**1045**	**786**								**4824**	**6617**
STAPLE	309.4320 & .4325	867	1402	1569	1336	1072								6246	6336
GROUPED FILAMENTS	309.3010 & .3310	118	22	91	42	17								290	472
SUBTOTAL ABOVE		**985**	**1424**	**1660**	**1378**	**1089**								**6536**	**6808**
WASTE, ADVANCED&NOT ADVANCED	309.6615 & .7510	**0**	**0**	**0**	**7**	**0**								**7**	**33**
NONCELLULOSIC FIBERS															
YARN - SINGLES															
TEXTURED - NYLON															
LESS THAN 450	310.0107 & .0207	142	163	113	123	147								688	1235
MORE THAN 450	310.0108 & .0208	2592	2933	3169	3131	1822								13647	7349
- POLYESTER	310.0110 & .0210	1000	2243	1670	1399	1016								7328	5537
- OTHER	310.0114 & .0214	1876	2010	1396	1300	1785								8367	7670
OTHER - NYLON	310.0149 & .0249	2008	2121	2350	2348	1695								10522	7640
- POLYESTER	310.0150 & .0250	1918	1327	2088	2006	1590								8929	10042
- OTHER	310.0170 & .0270[b]	417	486	610	680	713								2906	1949
MONOFILAMENTS	309.0200 & .0330[c]	272	281	265	263	354								1435	1212
STRIPS, OVER $1/LB	309.2100 & .2500*	199	196	235	244	169								1043	603
SUBTOTAL ABOVE		**10424**	**11760**	**11896**	**11494**	**9291**								**54865**	**43237**
STAPLE - NYLON	309.4331 & .4351	5346	4106	5357	3521	2137								20467	19283
- POLYESTER	309.4336 & .4361	5335	5030	5122	4833	6596								26916	14848
- ACRYLIC	309.4366	1216	839	1202	1285	1073								5615	5926
- OLEFIN	309.4371	2	153	42	38	21								256	1129
- OTHER	309.4341 & .4390	479	1269	1233	1011	918								4910	9587
GROUPED FILAMENTS															
NYLON	309.3030 & .3200	3012	2523	2383	2409	2436								12763	16460
POLYESTER	309.3040 & .3340	367	279	441	383	260								1730	782
ACRYLIC	309.3050 & .3350	861	1144	1073	1290	1015								5383	5444
OTHER	309.3065 & .3365	139	138	141	178	301								896	1334
SUBTOTAL ABOVE		**16757**	**15481**	**16994**	**14948**	**14757**								**78936**	**74793**
WASTE, NOT ADVANCED															
- NYLON	309.6625	2279	2182	3100	1454	2026								11041	9090
- POLYESTER	309.6630	1077	823	1475	867	525								4767	2766
- ACRYLIC	309.6645	20	53	0	18	41								132	25
- OTHER	309.6660	415	518	810	415	460								2618	3631
NOILS & GARNETTED FIBERS	309.7000*	0	0	0	0	0								0	121
OTHER WASTE, ADVANCED	309.7525 - .7555	42	153	67	638	1016								1916	1762
SUBTOTAL ABOVE		**3833**	**3729**	**5452**	**3392**	**4068**								**20474**	**17395**
TOTAL MAN-MADE ABOVE		**33266**	**33229**	**36893**	**32264**	**29991**								**165642**	**148883**
OTHER MAN-MADE FIBER TOPS, YARN & THREAD															
YARN - PLIED															
TEXTURED - CELLULOSIC	310.1506	0	0	+	0	0								0	30
- NONCELLULOSIC	310.1015[d] & .1205[e]	142	337	583	392	244								1708	5152
OTHER - CELLULOSIC	310.1030 & .1535[f]	8	85	7	43	19								162	24
- NONCELLULOSIC	310.1050 & .1070[g]	336	339	306	285	157								1423	258
SPUN YARN - CELLULOSIC	310.4005 & .4030[h]	151	112	165	134	60								622	901
- OTHER	310.4015 & .4027[i]	2574	3765	3232	3780	4318								17669	16509
OTHER YARNS - NES, INCL. CHENILLE	310.6034 - .8000	1493	1673	1629	2004	1943								8742	4675
HANDWORK YARNS & SEWING THREAD	310.9000 & .9310[j]	831	662	217	690	689								3089	2051
SLIVER, TOPS & ROVING	309.9000	383	279	281	607	585								2135	1480
TEXTILE GLASS FIBER	309.2800 & .2900[k]	1431	1672	1653	2285	1279								8320	11979
GRAND TOTAL ABOVE		**40615**	**42153**	**44976**	**42484**	**39285**								**209512**	**191942**

SOURCE: U.S. Census Bureau Report IM145X.

NES Not elsewhere specified.

+ Nominal quantity.

* These items are not reported by the Census as cellulosic vs. noncellulosic. Any seperation between cellulosic and noncellulosic is estimated, based mainly on average declared value.

[a] Also includes 310.0610.

[b] Also includes 310.0550, .0630 & .0650.

[c] Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.

[d] There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

[e] Also includes 310.1210.

[f] Also includes 310.2110.

[g] Also includes 310.1510, .1514, .1550, 1555, .1570, .2050, .2130 & .2150.

[h] Also includes 310.5005 & .5030.

[i] Also includes 310.4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051.

[j] Also includes 310.9320 & .9500.

[k] Chiefly roving. Also includes 309.9800 & .9900.

TABLE 13:
U.S. EXPORTS OF MAN-MADE FIBERS

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/87	1987												YEAR TO DATE	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1987	1986
CELLULOSIC FIBERS															
FILAMENT YARN[a]															
TEXTURED	310.0004	43	100	101	24	17								285	33
OTHER[b]	310.0026	475	365	639	468	654								2601	3165
MONOFILAMENTS	309.0110	0	0	0	2	0								2	52
STRIPS	309.2210	1	1	40	2	13								57	14
SUBTOTAL ABOVE		**519**	**466**	**780**	**496**	**684**								**2945**	**3264**
STAPLE+TOW-RAYON	309.4222	3930	1732	3107	2705	2582								14056	13267
STAPLE-ACETATE	309.4219	33	112	156	112	215								628	870
SUBTOTAL ABOVE		**3963**	**1844**	**3263**	**2817**	**2797**								**14684**	**14137**
WASTE, ADVANCED&NOT ADVANCED	309.7400	**231**	**169**	**47**	**134**	**52**								**633**	**887**
NONCELLULOSIC FIBERS															
YARN - SINGLES															
NYLON - TEXTURED	310.0005 & .0007	2678	2441	2542	2077	2760								12498	9442
- HIGH TENACITY[c]	310.0027	7294	6373	5419	6719	7072								32877	30080
- OTHER	310.0029	636	684	605	753	883								3561	4444
POLYESTER - TEXTURED	310.0010	2151	2949	3145	2473	2079								12797	46923
- HIGH TENACITY[c]	310.0032	1691	1913	2308	1475	1806								9193	10121
- OTHER[d]	310.0034	160	233	152	75	201								821	1293
OTHER - TEXTURED	310.0014	1053	1386	1502	1133	1406								6480	12951
- OLEFIN	310.0040	74	35	53	55	16								233	1308
- OTHER	310.0044	389	577	654	748	445								2813	2557
MONOFILAMENTS, ALL DENIERS															
NYLON	309.0120	416	687	641	417	553								2714	1945
POLYESTER	309.0140	322	523	524	587	1447								3403	2630
OTHER	309.0170	478	492	875	480	718								3043	2061
STRIPS	309.2220 & .2270	259	424	470	342	537								2032	1380
SUBTOTAL ABOVE		**17601**	**18717**	**18890**	**17334**	**19923**								**92465**	**127135**
STAPLE - NYLON	309.4240	2060	1757	2615	1445	2092								9969	5817
- POLYESTER	309.4242	18819	17019	16575	14494	13960								80867	39809
- ACRYLIC	309.4245	4792	3355	2531	2440	4482								17600	30508
- OLEFIN	309.4246	1893	2016	2642	2075	1583								10209	5982
- OTHER	309.4247	1004	3194	2027	2959	4586								13770	7680
GROUPED FILAMENTS															
NYLON	309.3220	283	737	386	275	259								1940	3087
POLYESTER[d]	309.3240	1941	1832	1578	2318	1728								9397	8856
ACRYLIC	309.3250 & .3255	1653	2207	1805	1980	329								7974	12473
SUBTOTAL ABOVE		**32445**	**32117**	**30159**	**27986**	**29019**								**151726**	**114212**
WASTE, ADVANCED&NOT ADVANCED															
- NYLON	309.7620	1021	1143	1095	1164	1260								5683	2926
- POLYESTER	309.7630	2830	4649	5303	5570	5293								23645	26959
- ACRYLIC	309.7640	1086	1362	1545	432	428								4853	2900
- OTHER	309.7660	2543	3090	5034	2174	2633								15474	19251
SUBTOTAL ABOVE		**7480**	**10244**	**12977**	**9340**	**9614**								**49655**	**52036**
TOTAL MAN-MADE ABOVE		**62239**	**63557**	**66116**	**58107**	**62089**								**312108**	**311671**
TEXTILE GLASS FIBER	309.2700 & .9700	5992	6585	7160	7265	7967								34969	23536
GRAND TOTAL ABOVE		**68231**	**70142**	**73276**	**65372**	**70056**								**347077**	**335207**

SOURCE: U.S. Census Bureau Report EM522.

a. Includes thrown, singles and plied yarn.

b. Includes an undetermined amount of rayon tire cord and cord fabric.

c. Includes an undetermined amount of noncellulosic tire cord and cord fabric.

d. Includes zero twist yarns.

TABLE 14:
SELECTED U.S. MONTHLY FIBER DATA

MILLION POUNDS

	1987												YEAR TO DATE[a]	
ITEM	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1987	1986
	TOTAL SHIPMENTS[b]													
MAN-MADE FIBER DATA [c]														
YARN+MONOFILAMENTS														
CELLULOSIC YARN	14.6	13.7	15.9	16.5	16.1	16.9							93.7	108.8
NYLON[d] - INDUSTRIAL[e]	31.0	32.8	30.6	29.5	35.7	30.0							189.6	168.0
- CARPET	75.1	77.6	79.9	76.9	86.2	77.5							473.2	433.5
- TEXTILE[g]	30.5	30.4	33.5	32.1	32.4	32.6							191.5	185.5
POLYESTER - INDUSTRIAL[e]	26.6	27.6	29.4	27.7	28.0	27.1							166.4	157.4
- TEXTILE[g]	63.3	64.0	72.3	75.7	73.6	72.1							421.0	426.5
OLEFIN[f]	92.3	87.6	84.3	88.9	89.8	94.7							537.6	505.0
TOTAL NONCELLULOSIC ABOVE	**318.8**	**320.0**	**330.0**	**330.8**	**345.7**	**334.0**							**1979.3**	**1875.9**
STAPLE+TOW+FIBERFILL														
RAYON	34.1	29.7	36.1	33.2	31.6	34.4							199.1	196.8
NYLON[d]	84.1	81.2	86.2	88.7	91.1	78.4							509.7	405.2
ACRYLIC+MODACRYLIC	49.2	50.7	54.2	51.2	52.3	45.1							302.7	313.1
POLYESTER	184.8	192.2	205.6	195.1	193.4	207.7							1178.8	1049.7
OLEFIN+VINYON[h]	28.2	27.9	31.9	31.1	30.0	30.2							179.3	165.5
TOTAL NONCELLULOSIC ABOVE	**346.3**	**352.0**	**377.9**	**366.1**	**366.8**	**361.4**							**2170.5**	**1933.5**
	END-OF-MONTH STOCK													
YARN+MONOFILAMENTS														
CELLULOSIC YARN	17.9	18.2	16.8	15.2	14.7	14.0							14.0	12.5
NYLON[d] - INDUSTRIAL[e]	29.2	24.9	26.7	29.0	27.0	25.8							25.8	25.4
- CARPET	56.6	55.5	52.3	52.4	48.3	47.7							47.7	56.8
- TEXTILE[g]	49.6	49.4	46.5	47.2	47.6	47.0							47.0	43.9
POLYESTER - INDUSTRIAL[e]	30.6	30.0	27.8	29.0	28.5	29.4							29.4	31.2
- TEXTILE[g]	85.6	88.8	87.6	83.2	80.0	85.7							85.7	86.2
OLEFIN[f]	54.7	55.6	54.5	56.3	56.0	55.7							55.7	61.5
TOTAL NONCELLULOSIC ABOVE	**306.3**	**304.2**	**295.4**	**297.1**	**287.4**	**291.3**							**291.3**	**305.3**
STAPLE+TOW+FIBERFILL														
RAYON	24.3	26.1	23.8	24.7	25.9	25.1							25.1	20.5
NYLON[d]	59.3	53.8	58.7	57.7	56.4	61.5							61.5	85.4
ACRYLIC+MODACRYLIC	68.2	67.9	67.8	70.1	71.6	78.2							78.2	51.4
POLYESTER	178.0	169.8	162.3	162.4	171.7	161.6							161.6	164.8
OLEFIN+VINYON[h]	33.3	32.6	31.0	30.3	30.8	31.8							31.8	28.9
TOTAL NONCELLULOSIC ABOVE	**338.8**	**324.1**	**319.8**	**320.5**	**330.5**	**333.1**							**333.1**	**330.5**
WOOL & COTTON CONSUMPTION														
APPAREL CLASS WOOL	13.8	13.1	15.0	13.7									55.6	52.1
CARPET CLASS WOOL	0.8	0.8	1.2	1.3									4.1	3.5
TOTAL RAW WOOL	14.6	13.9	16.2	15.0									59.7	55.6
RAW COTTON	302.3	281.8	341.4	311.9	378.2								1615.6	1328.6

- **a.** "Year-to-date" totals for stock, are the latest month's figures.
- **b.** The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.
- **c.** Producers' total domestic plus export shipments.
- **d.** Data for nylon exclude Aramid.
- **e.** Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.
- **f.** Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.
- **g.** Low denier industrial nylon and polyester included with Textile.
- **h.** 1987 data exclude Vinyon.

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Highlights

- 1982-1986 Summary of U.S. Imports and Exports of Manufactures . . . begins on page 192.
- U.S. Hosiery Production rises in 1986 . . . see page 196.
- January-June 1987 U.S. Imports of Man-Made Fiber up 8.1% . . . see page 198.
- January-June 1987 U.S. Exports of Man-Made Fiber up 5.3% . . . see page 199.

SHIPMENTS:

U.S. producers' shipments of noncellulosic yarn+monofilaments totaled 323.5 million pounds in July, down 2.9% from June of this year. However, January-July 1987 shipments, at 2302.0 million pounds, were 5.8% greater than in the corresponding 1986 period.

Similarly, July shipments of noncellulosic staple+tow at 337.5 million pounds were 6.8% below June shipments, while January-July 1987 shipments of 2508.7 million pounds gained 11.2% from a year ago.

Selected fibers contributing to the January-July 1987 rise in shipments:

- Polyester staple+tow up 11.9% to 1361.1 million pounds.
- Olefin yarn up 6.7% to 620.6 million pounds.
- Nylon staple+tow up 22% to 591.2 million pounds.
- Nylon carpet yarn up 8.7% to 554.6 million pounds.

In the year to date comparison listed in Table 1, there were declines for polyester textile yarn shipments, down 0.4% and acrylic+ modacrylic staple+tow, down 3.6%.

TABLE 1:
TOTAL U.S. MAN-MADE FIBER SHIPMENTS

MILLION POUNDS & *PERCENT CHANGE*

ITEM	1987 JUL	1987 JUN	% CHG 6/87-7/87	1986 JUL	% CHG 7/86-7/87	YEAR TO DATE 1987	YEAR TO DATE 1986	% CHG YTD 1986-1987
YARN+MONOFILAMENTS								
CELLULOSIC YARN	**14.6**	**16.9**	***-13.6***	**17.7**	***-17.5***	**108.3**	**126.5**	***-14.4***
NYLON[a] - INDUSTRIAL	30.6	30.0	*+2.0*	23.3	*+31.3*	220.2	191.3	*+15.1*
- CARPET	80.4	78.5	*+2.4*	76.8	*+4.7*	554.6	510.3	*+8.7*
- TEXTILE[b]	31.1	31.4	*-1.0*	29.0	*+7.2*	221.4	214.5	*+3.2*
POLYESTER - INDUSTRIAL	26.1	26.9	*-3.0*	24.6	*+6.1*	192.3	182.0	*+5.7*
- TEXTILE[b]	72.3	71.7	*+0.8*	68.5	*+5.5*	492.9	495.0	*-0.4*
OLEFIN	83.0	94.7	*-12.4*	76.9	*+7.9*	620.6	581.9	*+6.7*
TOTAL NONCELLULOSIC ABOVE	**323.5**	**333.2**	***-2.9***	**299.1**	***+8.2***	**2302.0**	**2175.0**	***+5.8***
STAPLE+TOW+FIBERFILL								
RAYON	**33.6**	**34.4**	***-2.3***	**34.2**	***-1.8***	**232.7**	**231.0**	***+0.7***
NYLON[a]	81.5	78.4	*+4.0*	79.3	*+2.8*	591.2	484.5	*+22.0*
ACRYLIC+MODACRYLIC	47.5	45.1	*+5.3*	50.0	*-5.0*	350.2	363.1	*-3.6*
POLYESTER	181.6	208.4	*-12.9*	166.2	*+9.3*	1361.1	1215.9	*+11.9*
OLEFIN+VINYON[c]	26.9	30.2	*-10.9*	27.8	*-3.2*	206.2	193.3	*+6.7*
TOTAL NONCELLULOSIC ABOVE	**337.5**	**362.1**	***-6.8***	**323.3**	***+4.4***	**2508.7**	**2256.8**	***+11.2***

a. Nylon excludes Aramid.

b. Includes low denier industrial nylon and polyester yarn.

c. 1987 data exclude Vinyon.

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DATAGRAM

IMPORTS OF MANUFACTURED PRODUCTS

Latest U.S.D.A. import data indicate 1986 apparel imports (man-made, cotton and wool, pounds basis) increased 14.6% to 2101 million pounds from the 1833 million pounds imported in 1985. Imports of all manufactured products (excluding yarn and fabric) rose 12.8% to 2854 million pounds.

In the 1982-1986 period, the average annual growth rate of apparel imports was 19.1%, while the growth rate for imports of all manufactured products was 23.6%. (See Table 2)

U.S. MAN-MADE FIBER IMPORTS & EXPORTS

Imports in June rose 3.8% to 31.1 million pounds making total man-made fiber imports 196.4 million pounds in the first half of 1987. This is up 8.1% from the 181.7 million pounds imported in the corresponding period last year. Continued strength was noted in imports of textured nylon over 450 denier. Through June 1987, these imports totaled 15.3 million pounds, a gain of 23.0% from first half 1986 imports. Nylon staple and polyester staple imports also increased, up 4.6% and 81.5%, respectively. (See Table 8).

Total man-made fiber exports were 63.1 million pounds in June, up 9.6% from May. In first half of 1987, man-made fiber exports posted a slight gain from the prior year, up 5.3% to 380.2 million pounds. In the January-June period, polyester staple exports at 95.9 million pounds rose 97.7% from the 48.5 million pounds exported in the corresponding period last year. (See Table 9)

U.S. FIBER PRODUCTION, SHIPMENTS AND ENDING STOCK

1987 second quarter production and shipments increased from the prior quarter. Noncellulosic yarn+monofilaments production totaled 1015 million pounds, up 6.0% from first quarter, while shipments registered a gain of 5.3% to 1020 million pounds. This resulted in a decline of 5.1 million pounds to 290 million pounds in second quarter ending stock.

Noncellulosic staple+tow second quarter production rose to 1109 million pounds, a 3.6% increase. Total shipments registered a 1.8% gain to 1095 million pounds. Staple+tow ending stock for second quarter rose 4.2% to 333 million pounds. (See Table 10)

BASF ANNOUNCES NYLON PLANT EXPANSION

BASF Corporation's Fibers Division has announced it will add a new multi-million dollar facility to its Clemson, S.C. plant to increase its overall bulked continuous filament (BCF) nylon capacity 20 percent by the early 1990's. (BASF Corp. Fibers Div. 8/2/87)

TABLE 2:
RAW FIBER EQUIVALENT OF IMPORTS & EXPORTS OF MAN-MADE FIBER, COTTON & WOOL MANUFACTURES
MILLION POUNDS

COMMODITY	AVG ANNUAL GROWTH RATE		MAN-MADE FIBER					AVG ANNUAL GROWTH RATE		COTTON					AVG ANNUAL GROWTH RATE		WOOL				
	1971-1981	1982-1986	1982	1983	1984	1985	1986	1971-1981	1982-1986	1982	1983	1984	1985	1986	1971-1981	1982-1986	1982	1983	1984	1985	1986
IMPORTS																					
SEMIMANUFACTURED PRODUCTS																					
YARN, THREAD, ETC[a]	3.9	26.0	38.2	58.0	71.0	80.9	96.3	-2.8	38.8	28.5	42.1	54.6	56.4	105.9	-7.1	15.5	7.7	7.6	16.3	14.1	13.7
CLOTH[b]	-2.0	23.4	105.7	138.0	170.4	214.3	245.1	3.4	18.9	266.5	346.3	450.8	437.1	532.9	9.0	0.8	25.6	28.1	39.0	37.2	26.4
SUBTOTAL	**-0.8**	**24.1**	**143.9**	**196.0**	**241.4**	**295.2**	**341.4**	**2.8**	**21.3**	**295.0**	**388.4**	**505.4**	**493.5**	**638.8**	**4.0**	**4.8**	**33.3**	**35.7**	**55.3**	**51.3**	**40.1**
MANUFACTURED PRODUCTS																					
WEARING APPAREL	5.5	17.6	486.5	576.0	688.9	800.6	929.9	12.9	18.8	510.5	622.8	759.5	895.5	1015.9	2.7	35.3	46.4	58.8	80.8	137.1	155.5
INDUSTRIAL[c]	-29.1	26.3	1.1	1.3	0.4	0.9	2.8	0.5	46.9	10.0	14.3	37.6	46.2	46.6			NOMINAL QUANTITIES INCLUDED IN ALL OTHER				
HOME FURNISHINGS[d]								4.8	28.6	67.0	78.0	138.9	165.7	183.0	6.5	33.8	19.6	34.8	52.1	60.5	62.8
ALL OTHER[e] }	6.4	59.4	66.5	296.1	411.3	394.3	429.4	0.3	15.7	14.7	31.9	23.4	28.3	26.3	-11.3	20.7	0.8	2.6	1.2	1.3	1.7
SUBTOTAL	**5.3**	**25.2**	**554.1**	**873.4**	**1100.6**	**1195.8**	**1362.1**	**10.8**	**20.6**	**602.2**	**747.0**	**959.4**	**1135.7**	**1271.8**	**3.2**	**34.7**	**66.8**	**96.2**	**134.1**	**198.9**	**220.0**
TOTAL IMPORTS	**3.5**	**25.0**	**698.0**	**1069.4**	**1342.0**	**1491.0**	**1703.5**	**6.9**	**20.8**	**897.2**	**1135.4**	**1464.8**	**1629.2**	**1910.6**	**3.5**	**27.0**	**100.1**	**131.9**	**189.4**	**250.2**	**260.1**
EXPORTS																					
SEMIMANUFACTURED PRODUCTS																					
YARN, THREAD, ETC[a]	19.6	4.5	40.2	35.3	38.5	51.1	47.9	7.1	-13.7	30.1	31.2	20.0	25.8	16.7	-4.0	6.5	4.9	4.0	2.7	9.1	6.3
CLOTH[b]	12.5	1.3	174.8	148.6	152.6	158.6	184.3	-0.2	10.5	84.8	59.4	64.5	82.3	126.4	14.3	13.2	1.4	1.1	1.4	1.6	2.3
SUBTOTAL	**13.5**	**1.9**	**215.0**	**183.9**	**191.1**	**209.7**	**232.2**	**1.0**	**5.6**	**114.9**	**90.6**	**84.5**	**108.1**	**143.1**	**-0.7**	**8.1**	**6.3**	**5.1**	**4.1**	**10.7**	**8.6**
MANUFACTURED PRODUCTS																					
WEARING APPAREL	22.3	-0.1	75.2	70.8	79.4	65.2	75.0	15.0	-2.0	80.0	72.1	68.2	55.5	73.9	16.1	7.0	2.9	3.0	2.7	3.8	3.8
INDUSTRIAL[c]	24.0	12.9	27.8	23.2	31.3	30.4	45.2	0.1	10.1	14.3	11.6	15.0	16.5	21.0			NOMINAL QUANTITIES INCLUDED IN ALL OTHER				
HOME FURNISHINGS[d]	22.0	7.2	65.9	10.7	102.9	70.3	86.9	9.1	-2.9	41.0	44.6	36.9	32.6	36.4	-14.3	0	0.2	0.2	0.2	0.1	0.2
ALL OTHER[e]	10.7	9.7	54.6	172.1	83.3	73.6	79.2	6.0	-34.2	3.2	0.7	0.6	0.5	0.6	5.2	1.7	1.4	1.5	1.8	1.2	1.5
SUBTOTAL	**18.8**	**6.4**	**223.5**	**276.8**	**296.9**	**239.5**	**286.3**	**10.2**	**-1.2**	**138.5**	**129.0**	**120.7**	**105.1**	**131.9**	**6.1**	**5.1**	**4.5**	**4.7**	**4.7**	**5.1**	**5.5**
TOTAL EXPORTS	**15.8**	**4.3**	**438.5**	**460.7**	**488.0**	**449.2**	**518.5**	**5.0**	**2.1**	**253.4**	**219.6**	**205.2**	**213.2**	**275.0**	**2.3**	**6.9**	**10.8**	**9.8**	**8.8**	**15.8**	**14.1**
NET EXPORTS (+) OR NET IMPORTS (-)			**-259.5**	**-608.7**	**-854.0**	**-1041.8**	**-1185.0**			**-643.8**	**-915.8**	**-1259.6**	**-1416.0**	**-1635.6**			**-89.3**	**-122.1**	**-180.6**	**-234.4**	**-246.0**

SOURCE: U.S. Department of Agriculture, Cotton and Wool Outlook & Situation.

a. Includes sliver, tops, roving, plied (textured and other), thrown and spun yarn, sewing thread and handwork yarns. Yarn singles (textured and other) are not included here; rather they are included in Column 13 page 52 of the March 1987 ***Organon.***

Man-made fiber yarn exports do not include substantial quantities of indirect exports. Indirect exports are shipments which are billed to a domestic customer by a yarn producer but which are ultimately exported by the customer. Indirect export data are available for the years 1980-1986 only; the corresponding quantities for each year are, respectively (in millions of pounds): 142.4, 254.0, 166.2, 83.1, 108.8, 162.0 & 95.2.

b. Includes broad & narrow woven fabrics and knit cloth.

c. Includes tire cord and tire cord fabric for man-made fiber data.

d. Includes carpets and rugs. Lace window curtains are in All Other.

e. Includes such products as lace & lace articles, lace window curtains, braids, tassels, polishing & dustcloths, etc. For 1983, 1984, 1985 & 1986 man-made fiber and cotton include imports of soft-sided luggage. The corresponding quantities for each year are, respectively, for man-made fiber: 180.5, 228.0, 157.4 & 169.3 and for cotton: 14.1, 18.7, 8.2, & 30.1.

NOTE: In the case of blended or mixed fiber products, the quantities of each of the component fibers have been estimated and included in the proper category, e.g., in a polyester and cotton fabric, the polyester portion is tabulated with man-made fiber and the cotton portion with cotton. A waste factor has been included to bring the data to the equivalent raw fiber consumption.

TABLE 3:
RAW FIBER EQUIVALENT OF IMPORTS, EXPORTS & BALANCE OF MAN-MADE FIBER MANUFACTURES
MILLION POUNDS

COMMODITY	1986 REVISED												YEAR TO DATE	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1986	1985
IMPORTS														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, ETC.[a]	6.8	7.3	8.2	8.5	8.5	9.4	10.6	8.5	6.7	5.8	8.4	7.6	96.3	80.9
CLOTH[b]	20.1	19.1	22.8	22.2	23.4	24.5	25.5	20.9	16.3	15.9	17.6	16.8	245.1	214.3
SUBTOTAL	**26.9**	**26.4**	**31.0**	**30.7**	**31.9**	**33.9**	**36.1**	**29.4**	**23.0**	**21.7**	**26.0**	**24.4**	**341.4**	**295.2**
MANUFACTURED PRODUCTS														
WEARING APPAREL	74.5	70.4	67.8	61.7	76.7	88.5	106.2	99.8	79.9	77.7	68.0	58.7	929.9	800.6
INDUSTRIAL[c]	0.2	0.2	0.3	0.2	0.3	0.2	0.2	0.4	0.1	0.4	0.2	0.1	2.8	0.9
HOME FURNISHINGS[d] ALL OTHER[e]	40.8	33.1	33.5	32.5	38.2	37.2	37.2	33.2	33.1	35.4	40.1	35.1	429.4	394.3
SUBTOTAL	**115.5**	**103.7**	**101.6**	**94.4**	**115.2**	**125.9**	**143.6**	**133.4**	**113.1**	**113.5**	**108.3**	**93.9**	**1362.1**	**1195.8**
TOTAL IMPORTS	**142.4**	**130.1**	**132.6**	**125.1**	**147.1**	**159.8**	**179.7**	**162.8**	**136.1**	**135.2**	**134.3**	**118.3**	**1703.5**	**1491.0**
EXPORTS														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, ETC.[a]	3.5	3.3	5.8	6.8	4.5	3.0	2.7	3.2	3.1	4.1	3.9	4.0	47.9	51.1
CLOTH[b]	14.2	12.7	14.3	15.1	15.3	15.5	16.8	15.8	16.5	15.4	18.1	14.6	184.3	158.6
SUBTOTAL	**17.7**	**16.0**	**20.1**	**21.9**	**19.8**	**18.5**	**19.5**	**19.0**	**19.6**	**19.5**	**22.0**	**18.6**	**232.2**	**209.7**
MANUFACTURED PRODUCTS														
WEARING APPAREL	5.0	5.1	6.5	6.3	6.8	6.0	5.9	7.0	6.5	6.8	7.0	6.1	75.0	65.2
INDUSTRIAL[c]	5.1	3.0	2.6	4.6	4.1	4.0	2.6	3.4	3.0	4.0	4.6	4.2	45.2	30.4
HOME FURNISHINGS[d]	6.5	5.4	5.8	6.6	7.7	6.4	6.0	5.6	6.9	6.2	7.7	16.1	86.9	70.3
ALL OTHER[e]	5.5	5.9	5.7	6.5	7.5	5.1	7.4	6.4	7.3	7.5	6.9	7.5	79.2	73.6
SUBTOTAL	**22.1**	**19.4**	**20.6**	**24.0**	**26.1**	**21.5**	**21.9**	**22.4**	**23.7**	**24.5**	**26.2**	**33.9**	**286.3**	**239.5**
TOTAL EXPORTS	**39.8**	**35.4**	**40.7**	**45.9**	**45.9**	**40.0**	**41.4**	**41.4**	**43.3**	**44.0**	**48.2**	**52.5**	**518.5**	**449.2**
BALANCE														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, ETC.	3.3 I	4.0 I	2.4 I	1.7 I	4.0 I	6.4 I	7.9 I	5.3 I	3.6 I	1.7 I	4.5 I	3.6 I	48.4 I	29.8 I
CLOTH	5.9 I	6.4 I	8.5 I	7.1 I	8.1 I	9.0 I	8.7 I	5.1 I	0.2 E	0.5 I	0.5 E	2.2 I	60.8 I	55.7 I
SUBTOTAL	**9.2 I**	**10.4 I**	**10.9 I**	**8.8 I**	**12.1 I**	**15.4 I**	**16.6 I**	**10.4 I**	**3.4 I**	**2.2 I**	**4.0 I**	**5.8 I**	**109.2 I**	**85.5 I**
MANUFACTURED PRODUCTS														
WEARING APPAREL	69.5 I	65.3 I	61.3 I	55.4 I	69.9 I	82.5 I	100.3 I	92.8 I	73.4 I	70.9 I	61.0 I	52.6 I	854.9 I	735.4 I
INDUSTRIAL	4.9 E	2.8 E	2.3 E	4.4 I	3.8 I	3.8 I	2.4 I	3.0 E	2.9 E	3.6 E	4.4 E	4.1 E	42.4 E	29.5 E
HOME FURNISHINGS ALL OTHER	28.8 I	21.8 I	22.0 I	19.4 I	23.0 I	25.7 I	23.8 I	21.2 I	18.9 I	21.7 I	25.5 I	11.5 I	263.3 I	250.4 I
SUBTOTAL	**93.4 I**	**84.3 I**	**81.0 I**	**70.4 I**	**89.1 I**	**104.4 I**	**121.7 I**	**111.0 I**	**89.4 I**	**89.0 I**	**82.1 I**	**60.0 I**	**1075.8 I**	**956.3 I**
TOTAL BALANCE	**102.6 I**	**94.7 I**	**91.9 I**	**79.2 I**	**101.2 I**	**119.8 I**	**138.3 I**	**121.4 I**	**92.8 I**	**91.2 I**	**86.1 I**	**65.8 I**	**1185.0 I**	**1041.8 I**

SOURCE: U.S. Department of Agriculture, Cotton and Wool Outlook & Situation.

a. Includes sliver, tops, roving, plied (textured and other), thrown and spun yarn, sewing thread and handwork yarns. Yarn singles (textured and other) are not included here; rather they are included in Column 13 page 52 of the March 1987 ***Organon.***

Man-made fiber yarn exports do not include substantial quantities of indirect exports. Indirect exports are shipments which are billed to a domestic customer by a yarn producer but which are ultimately exported by the customer. Indirect export data are available for the years 1980-1986 only; the corresponding quantities for each year are, respectively (in millions of pounds): 142.4, 254.0, 166.2, 83.1, 108.8, 162.0 & 95.2.

b. Includes broad & narrow woven fabrics and knit cloth.

c. Includes tire cord and tire cord fabric for man-made fiber data.

d. Includes carpets and rugs. Lace window curtains are in All Other.

e. Includes such products as lace & lace articles, lace window curtains, braids, tassels, polishing & dustcloths, etc. For 1983, 1984, 1985 & 1986 man-made fiber include imports of soft-sided luggage. The corresponding quantities for each year are, respectively: 180.5, 228.0, 157.4 & 169.3.

NOTE: In the case of blended or mixed fiber products, the quantities of each of the component fibers have been estimated and included in the proper category, e.g., in a polyester and cotton fabric, the polyester portion is tabulated with man-made fiber and the cotton portion with cotton. A waste factor has been included to bring the data to the equivalent raw fiber consumption.

TABLE 4:
RAW FIBER EQUIVALENT OF IMPORTS, EXPORTS & BALANCE OF COTTON MANUFACTURES
MILLION POUNDS

COMMODITY	1986 REVISED												YEAR TO DATE	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1986	1985
IMPORTS														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, ETC.[a]	6.7	8.5	9.7	9.0	8.8	8.6	11.7	8.7	8.0	7.6	8.8	9.8	105.9	56.4
CLOTH[b]	49.4	44.2	52.4	47.3	42.6	41.9	49.7	44.4	40.6	40.2	37.8	42.4	532.9	437.1
SUBTOTAL	**56.1**	**52.7**	**62.1**	**56.3**	**51.4**	**50.5**	**61.4**	**53.1**	**48.6**	**47.8**	**46.6**	**52.2**	**638.8**	**493.5**
MANUFACTURED PRODUCTS														
WEARING APPAREL	91.4	93.1	90.7	70.5	79.3	91.3	98.1	89.0	75.3	76.2	81.8	79.2	1015.9	895.5
INDUSTRIAL[c]	3.8	4.8	4.2	3.4	3.8	3.8	4.1	3.7	2.9	3.1	3.9	5.1	46.6	46.2
HOME FURNISHINGS[d]	15.0	13.5	17.7	17.3	14.6	13.8	15.1	14.4	13.7	14.3	16.7	16.9	183.0	165.7
ALL OTHER[e]	2.5	2.2	2.4	2.2	2.2	2.7	2.4	2.4	2.1	1.6	1.9	1.7	26.3	28.3
SUBTOTAL	**112.7**	**113.6**	**115.0**	**93.4**	**99.9**	**111.6**	**119.7**	**109.5**	**94.0**	**95.2**	**104.3**	**102.9**	**1271.8**	**1135.7**
TOTAL IMPORTS	**168.8**	**166.3**	**177.1**	**149.7**	**151.3**	**162.1**	**181.1**	**162.6**	**142.6**	**143.0**	**150.9**	**155.1**	**1910.6**	**1629.2**
EXPORTS														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, ETC.[a]	1.5	1.2	1.8	1.1	1.7	1.3	1.0	1.2	1.5	1.7	1.6	1.1	16.7	25.8
CLOTH[b]	7.0	8.6	9.7	10.4	11.6	10.3	7.4	13.4	11.4	11.1	12.0	13.5	126.4	82.3
SUBTOTAL	**8.5**	**9.8**	**11.5**	**11.5**	**13.3**	**11.6**	**8.4**	**14.6**	**12.9**	**12.8**	**13.6**	**14.6**	**143.1**	**108.1**
MANUFACTURED PRODUCTS														
WEARING APPAREL	3.9	4.7	6.1	5.4	6.1	6.0	5.5	7.0	6.5	7.5	8.3	6.9	73.9	55.5
INDUSTRIAL[c]	1.4	1.9	1.8	1.9	1.8	1.6	2.4	1.6	1.6	1.5	1.8	1.7	21.0	16.5
HOME FURNISHINGS[d]	2.4	2.3	2.9	5.4	3.0	2.5	2.4	2.9	2.6	3.0	3.6	3.4	36.4	32.6
ALL OTHER[e]	+	0.1	0.1	0.1	+	0.1	0.1	+	+	+	0.1	+	0.6	0.5
SUBTOTAL	**7.7**	**9.0**	**10.9**	**12.8**	**10.9**	**10.2**	**10.4**	**11.5**	**10.7**	**12.0**	**13.8**	**12.0**	**131.9**	**105.1**
TOTAL EXPORTS	**16.2**	**18.8**	**22.4**	**24.3**	**24.2**	**21.8**	**18.8**	**26.1**	**23.6**	**24.8**	**27.4**	**26.6**	**275.0**	**213.2**
BALANCE														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, ETC.	5.2 I	7.3 I	7.9 I	7.9 I	7.1 I	7.3 I	10.7 I	7.5 I	6.5 I	5.9 I	7.2 I	8.7 I	89.2 I	30.6 I
CLOTH	42.4 I	35.6 I	42.7 I	36.9 I	31.0 I	31.6 I	42.3 I	31.0 I	29.2 I	29.1 I	25.8 I	28.9 I	406.5 I	354.8 I
SUBTOTAL	**47.6 I**	**42.9 I**	**50.6 I**	**44.8 I**	**38.1 I**	**38.9 I**	**53.0 I**	**38.5 I**	**35.7 I**	**35.0 I**	**33.0 I**	**37.6 I**	**495.7 I**	**385.4 I**
MANUFACTURED PRODUCTS														
WEARING APPAREL	87.5 I	88.4 I	84.6 I	65.1 I	73.2 I	85.3 I	92.6 I	82.0 I	68.8 I	68.7 I	73.5 I	72.3 I	942.0 I	840.0 I
INDUSTRIAL	2.4 I	2.9 I	2.4 I	1.5 I	2.0 I	2.2 I	1.7 I	2.1 I	1.3 I	1.6 I	2.1 I	3.4 I	25.6 I	29.7 I
HOME FURNISHINGS	12.6 I	11.2 I	14.8 I	11.9 I	11.6 I	11.3 I	12.7 I	11.5 I	11.1 I	11.3 I	13.1 I	13.5 I	146.6 I	133.1 I
ALL OTHER	2.5 I	2.1 I	2.3 I	2.1 I	2.2 I	2.6 I	2.3 I	2.4 I	2.1 I	1.6 I	1.8 I	1.7 I	25.7 I	27.8 I
SUBTOTAL	**105.0 I**	**104.6 I**	**104.1 I**	**80.6 I**	**89.0 I**	**101.4 I**	**109.3 I**	**98.0 I**	**83.3 I**	**83.2 I**	**90.5 I**	**90.9 I**	**1139.9 I**	**1030.6 I**
TOTAL BALANCE	**152.6 I**	**147.5 I**	**154.7 I**	**125.4 I**	**127.1 I**	**140.3 I**	**162.3 I**	**136.5 I**	**119.0 I**	**118.2 I**	**123.5 I**	**128.5 I**	**1635.6 I**	**1416.0 I**

SOURCE: U.S. Department of Agriculture, Cotton and Wool Outlook & Situation.

a. Includes sliver, tops, roving, plied (textured and other), thrown and spun yarn, sewing thread and handwork yarns. Yarn singles (textured and other) are not included here; rather they are included in Column 13 page 52 of the March 1987 ***Organon.***

Man-made fiber yarn exports do not include substantial quantities of indirect exports. Indirect exports are shipments which are billed to a domestic customer by a yarn producer but which are ultimately exported by the customer. Indirect export data are available for the years 1980-1986 only; the corresponding quantities for each year are, respectively (in millions of pounds): 142.4, 254.0, 166.2, 83.1, 108.8, 162.0 & 95.2.

b. Includes broad & narrow woven fabrics and knit cloth.

c. Includes tire cord and tire cord fabric for man-made fiber data.

d. Includes carpets and rugs. Lace window curtains are in All Other.

e. Includes such products as lace & lace articles, lace window curtains, braids, tassels, polishing & dustcloths, etc. For 1983, 1984, 1985 & 1986 cotton fiber include imports of soft-sided luggage. The corresponding quantities for each year are, respectively: 14.1, 18.7, 8.2, & 30.1.

NOTE: In the case of blended or mixed fiber products, the quantities of each of the component fibers have been estimated and included in the proper category, e.g., in a polyester and cotton fabric, the polyester portion is tabulated with man-made fiber and the cotton portion with cotton. A waste factor has been included to bring the data to the equivalent raw fiber consumption.

TABLE 5:
RAW FIBER EQUIVALENT OF IMPORTS, EXPORTS & BALANCE OF WOOL MANUFACTURES
MILLION POUNDS

COMMODITY	1986 REVISED												YEAR TO DATE	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1986	1985
IMPORTS														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, ETC.[a]	0.8	0.8	1.2	1.1	1.2	1.6	1.6	1.3	0.9	0.9	1.3	1.0	13.7	14.1
CLOTH[b]	2.1	2.8	3.1	3.5	3.8	4.0	2.3	1.6	0.8	0.7	0.8	0.9	26.4	37.2
SUBTOTAL	**2.9**	**3.6**	**4.3**	**4.6**	**5.0**	**5.6**	**3.9**	**2.9**	**1.7**	**1.6**	**2.1**	**1.9**	**40.1**	**51.3**
MANUFACTURED PRODUCTS														
WEARING APPAREL	6.2	6.0	5.2	6.2	10.5	17.1	24.5	24.3	18.2	16.2	12.9	8.2	155.5	137.1
INDUSTRIAL[c]	NOMINAL QUANTITIES INCLUDED IN ALL OTHER													
HOME FURNISHINGS[d]	5.7	5.5	5.2	4.8	4.6	5.1	5.2	4.7	4.2	4.6	5.9	7.3	62.8	60.5
ALL OTHER[e]	0.2	0.1	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	1.7	1.3
SUBTOTAL	**12.1**	**11.6**	**10.7**	**11.1**	**15.2**	**22.3**	**29.8**	**29.1**	**22.5**	**20.9**	**19.0**	**15.7**	**220.0**	**198.9**
TOTAL IMPORTS	**15.0**	**15.2**	**15.0**	**15.7**	**20.2**	**27.9**	**33.7**	**32.0**	**24.2**	**22.5**	**21.1**	**17.6**	**260.1**	**250.2**
EXPORTS														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, ETC.[a]	0.5	0.3	0.7	0.5	0.9	0.5	0.5	0.1	0.4	0.6	0.5	0.8	6.3	9.1
CLOTH[b]	0.2	0.2	0.1	0.4	0.3	0.2	0.2	0.1	0.2	0.1	0.1	0.2	2.3	1.6
SUBTOTAL	**0.7**	**0.5**	**0.8**	**0.9**	**1.2**	**0.7**	**0.7**	**0.2**	**0.6**	**0.7**	**0.6**	**1.0**	**8.6**	**10.7**
MANUFACTURED PRODUCTS														
WEARING APPAREL	0.2	0.2	0.6	0.3	0.4	0.4	0.2	0.3	0.3	0.3	0.4	0.2	3.8	3.8
INDUSTRIAL[c]	NOMINAL QUANTITIES INCLUDED IN ALL OTHER													
HOME FURNISHINGS[d]	+	+	+	+	+	+	+	+	+	+	+	+	0.2	0.1
ALL OTHER[e]	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.1	0.1	0.1	0.2	1.5	1.2
SUBTOTAL	**0.3**	**0.3**	**0.7**	**0.4**	**0.5**	**0.5**	**0.3**	**0.6**	**0.4**	**0.4**	**0.5**	**0.4**	**5.5**	**5.1**
TOTAL EXPORTS	**1.0**	**0.8**	**1.5**	**1.3**	**1.7**	**1.2**	**1.0**	**0.8**	**1.0**	**1.1**	**1.1**	**1.4**	**14.1**	**15.8**
BALANCE														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, ETC.	0.3 I	0.5 I	0.5 I	0.6 I	0.3 I	1.1 I	1.1 I	1.2 I	0.5 I	0.3 I	0.8 I	0.2 I	7.4 I	5.0 I
CLOTH	1.9 I	2.6 I	3.0 I	3.1 I	3.5 I	3.8 I	2.1 I	1.5 I	0.6 I	0.6 I	0.7 I	0.7 I	24.1 I	35.6 I
SUBTOTAL	**2.2 I**	**3.1 I**	**3.5 I**	**3.7 I**	**3.8 I**	**4.9 I**	**3.2 I**	**2.7 I**	**1.1 I**	**0.9 I**	**1.5 I**	**0.9 I**	**31.5 I**	**40.6 I**
MANUFACTURED PRODUCTS														
WEARING APPAREL	6.0 I	5.8 I	4.6 I	5.9 I	10.1 I	16.7 I	24.3 I	24.0 I	17.9 I	15.9 I	12.5 I	8.0 I	151.7 I	133.3 I
INDUSTRIAL	NOMINAL QUANTITIES INCLUDED IN ALL OTHER													
HOME FURNISHINGS	5.7 I	5.5 I	5.2 I	4.8 I	4.6 I	5.1 I	5.2 I	4.7 I	4.2 I	4.6 I	5.9 I	7.3 I	62.6 I	60.4 I
ALL OTHER	0.1 I	0 I	0.2 I	0	0	0	0	0.2 E	0	0	0.1 I	0	0.2 I	0.1 I
SUBTOTAL	**11.8 I**	**11.3 I**	**10.0 I**	**10.7 I**	**14.7 I**	**21.8 I**	**29.5 I**	**28.5 I**	**22.1 I**	**20.5 I**	**18.5 I**	**15.3 I**	**214.5 I**	**193.8 I**
TOTAL BALANCE	**14.0 I**	**14.4 I**	**13.5 I**	**14.4 I**	**18.5 I**	**26.7 I**	**32.7 I**	**31.2 I**	**23.2 I**	**21.4 I**	**20.0 I**	**16.2 I**	**246.0 I**	**234.4 I**

SOURCE: U.S. Department of Agriculture, Cotton and Wool Outlook & Situation.

a. Includes sliver, tops, roving, plied (textured and other), thrown and spun yarn, sewing thread and handwork yarns. Yarn singles (textured and other) are not included here; rather they are included in Column 13 page 52 of the March 1987 ***Organon.***

Man-made fiber yarn exports do not include substantial quantities of indirect exports. Indirect exports are shipments which are billed to a domestic customer by a yarn producer but which are ultimately exported by the customer. Indirect export data are available for the years 1980-1986 only; the corresponding quantities for each year are, respectively (in millions of pounds): 142.4, 254.0, 166.2, 83.1, 108.8, 162.0 & 95.2.

b. Includes broad & narrow woven fabrics and knit cloth.

c. Includes tire cord and tire cord fabric for man-made fiber data.

d. Includes carpets and rugs. Lace window curtains are in All Other.

e. Includes such products as lace & lace articles, lace window curtains, braids, tassels, polishing & dustcloths, etc.

NOTE: In the case of blended or mixed fiber products, the quantities of each of the component fibers have been estimated and included in the proper category, e.g., in a polyester and cotton fabric, the polyester portion is tabulated with man-made fiber and the cotton portion with cotton. A waste factor has been included to bring the data to the equivalent raw fiber consumption.

TABLE 6:
U.S. PRODUCTION OF HOSIERY, 1973 - 1986
MILLION DOZEN PAIRS

ITEM	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
WOMEN'S														
PANTYHOSE - SHEER	68.9	54.4	51.6	55.1	47.6	44.6	55.3	57.3	59.6	58.5	64.0	67.1	57.9	57.3
- ELASTOMER	3.8	4.7	8.8	13.8	19.4	27.7	33.2	36.7	42.5	43.2	47.6	39.4	49.0	52.0
- OTHER[a]	2.3	0.9	0.9	1.5	1.7	1.6	2.4	2.0	2.4	3.4	5.0	7.4	7.3	8.8
SUBTOTAL PANTYHOSE	**75.0**	**60.0**	**61.3**	**70.4**	**68.7**	**73.9**	**90.9**	**96.0**	**104.5**	**105.1**	**116.6**	**113.9**	**114.2**	**118.1**
STOCKINGS - NONSTRETCH	7.7	5.9	4.5	3.7	3.0	2.6	2.4	2.0	1.8	1.5	1.5	1.3	1.2	1.3
- STRETCH	6.6	6.1	3.5	2.8	2.4	2.8	2.7	2.4	2.1	2.4	2.7	2.5	2.2	1.8
- SUPPORT	0.8	0.8	0.7	0.9	1.0	1.0	0.7	0.7	0.6	0.5	0.6	0.4	0.4	0.3
- OTHER	0.5	0.4	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.1	+	+	0.1	0.1
SUBTOTAL STOCKINGS	**15.6**	**13.2**	**8.8**	**7.5**	**6.6**	**6.5**	**6.0**	**5.2**	**4.6**	**4.5**	**4.8**	**4.2**	**3.9**	**3.5**
SHEER KNEE-HIGHS & ANKLETS	9.3	15.5	27.6	35.9	35.3	30.5	44.8	38.4	42.6	38.1	40.3	44.0	42.2	45.3
TOTAL WOMEN'S	**99.9**	**88.7**	**97.7**	**113.8**	**110.6**	**110.9**	**141.7**	**139.6**	**151.7**	**147.7**	**161.7**	**162.1**	**160.3**	**166.9**
MEN'S (sizes 10 and up)														
ANKLETS & FOOTSOCKS	52.9	53.9	51.2	51.5	50.7	51.7	43.7	27.9	27.8	27.1	27.2	26.8	26.0	26.6
MID CALF	6.8	6.1	6.3	7.7	9.5	11.3	12.5	17.4	19.9	17.3	17.8	17.7	17.6	19.6
KNEE - HIGHS	4.0	4.2	5.7	6.8	9.1	13.4	16.0	17.8	20.7	17.6	21.5	23.9	23.8	21.5
TOTAL MEN'S	**63.7**	**64.2**	**63.2**	**66.0**	**69.3**	**76.4**	**72.2**	**63.1**	**68.4**	**62.0**	**66.5**	**68.4**	**67.4**	**67.7**
GIRLS', BOYS' & WOMEN'S (sizes 8 -11)														
ANKLETS	22.2	20.7	20.7	21.3	20.3	18.5	19.6	12.5	14.6	11.9	17.3	19.5	19.4	27.4
KNEE-HIGHS	15.0	16.1	16.8	19.4	21.9	20.6	22.1	24.3	29.8	23.4	25.7	20.2	17.0	13.7
MID-CALF/CREW	NA	NA	NA	NA	NA	NA	NA	3.1	4.5	4.0	4.9	4.5	6.2	8.2
WAIST-HIGHS								0.3	0.5	0.5	0.5	0.5	0.6	0.5
FOOTSOCKS	4.0	4.6	4.4	5.7	6.8	7.6	6.7	8.6	9.4	6.5	5.8	5.2	6.1	6.4
TOTAL GIRLS', BOYS' & WOMEN'S	**41.2**	**41.4**	**41.9**	**46.4**	**49.0**	**46.7**	**48.4**	**48.8**	**58.8**	**46.3**	**54.2**	**49.9**	**49.3**	**56.2**
INFANTS' & CHILDREN'S (SIZES 3-8 1/2)														
ANKLETS	17.9	17.3	17.3	21.3	21.4	22.1	22.1	19.3	20.5	16.1	16.5	15.5	14.2	16.6
KNEE-HIGHS	4.1	4.2	4.1	5.5	6.1	6.4	8.5	6.6	7.7	6.7	6.9	5.8	4.6	3.5
MID-CALF	NA	NA	NA	NA	NA	NA	NA	1.3	1.2	1.4	1.4	3.6	5.7	6.7
WAIST-HIGHS & FOOTSOCKS	0.6	0.6	0.6	0.9	1.0	1.3	1.6	1.6	1.8	1.6	2.2	2.3	1.8	1.6
TOTAL INFANTS' & CHILDREN'S	**22.6**	**22.1**	**22.0**	**27.7**	**28.5**	**29.8**	**32.2**	**28.8**	**31.2**	**25.8**	**27.0**	**27.2**	**26.3**	**28.4**
TOTAL HOSIERY	**227.4**	**216.4**	**224.8**	**253.9**	**257.4**	**263.8**	**294.5**	**280.3**	**310.1**	**281.8**	**309.4**	**307.6**	**303.3**	**319.2**

SOURCE: National Association of Hosiery Manufactures - ***1986 Hosiery Statistics.***

+ Nominal quantity.

[a] Includes opaque hosiery, which is defined as hosiery knit on 370 needles or more, using leg yarn 30 denier or coarser.

TABLE 7:
SELECTED U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION BY COUNTRY OF ORIGIN

THOUSAND POUNDS

	1987												YEAR TO DATE	
ITEMS & COUNTRY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1987	1986
CELLULOSIC YARN, MONOFIL & STRIPS														
AUSTRIA	0	138	0	43	42	21							244	30
BRAZIL	86	29	0	28	54	88							285	191
CANADA	425	368	175	323	285	70							1646	2277
GERMANY, FED. REP.	442	229	561	363	332	352							2279	2659
JAPAN	209	10	39	39	6	38							341	272
MEXICO	3	15	10	102	28	18							176	257
NETHERLANDS	101	43	105	147	38	40							474	989
ALL OTHER COUNTRIES [a]	1	3	1	0	1	2							8	1250
TOTAL CELLULOSIC YARN	1267	835	891	1045	786	629							5453	7925
CELLULOSIC STAPLE+TOW														
CANADA	749	1188	1356	1230	841	1185							6549	4814
ITALY	88	0	59	51	61	35							294	96
JAPAN	59	168	168	18	98	61							572	651
SWEDEN	43	0	0	48	89	39							219	725
UNITED KINGDOM	46	5	73	24	0	41							189	375
ALL OTHER COUNTRIES [b]	0	63	4	7	0	36							110	1485
TOTAL CELLULOSIC STAPLE+TOW	985	1424	1660	1378	1089	1397							7933	8146
NONCELLULOSIC YARN, MONOFIL & STRIPS														
BELGIUM	1408	1377	559	560	653	849							5406	5880
CANADA	890	1976	1613	1605	1802	1214							9100	6698
CHINA, PRC	0	0	94	0	267	30							391	0
COSTA RICA	729	515	642	589	590	564							3629	3250
DENMARK	31	62	0	0	32	30							155	61
FRANCE	686	685	659	648	306	678							3662	2971
GERMANY, FED. REP.	1744	2397	2421	2740	1373	1347							12022	10502
IRELAND	81	58	0	0	106	79							324	158
ISRAEL	162	233	90	249	321	97							1152	1650
ITALY	1202	866	1292	1254	940	985							6539	5786
JAPAN	964	570	670	661	525	548							3938	4564
KOREA, REP. OF	41	21	22	20	60	25							189	153
MEXICO	1167	2037	2527	1939	1660	871							10201	4558
NETHERLANDS	93	184	151	99	61	62							650	826
SINGAPORE	73	0	66	44	21	23							227	3590
SWITZERLAND	253	2	64	2	9	1							331	434
TAIWAN	14	39	63	46	34	116							312	409
UNITED KINGDOM	735	596	844	894	483	670							4222	2777
ALL OTHER COUNTRIES [c]	151	142	119	144	48	86							690	1276
TOTAL NONCELLULOSIC YARN	10424	11760	11896	11494	9291	8275							63140	55543
NONCELLULOSIC STAPLE+TOW														
AUSTRIA	61	18	130	177	38	312							736	177
BELGIUM	21	36	18	18	53	1							147	265
BRAZIL	0	438	236	379	262	297							1612	278
CANADA	3125	3071	3201	2248	2236	2507							16388	11582
FRANCE	955	588	532	585	520	1193							4373	5395
GERMANY, FED. REP.	2586	2359	2194	2463	1766	1951							13319	16907
IRELAND	109	0	0	0	0	344							453	85
ISRAEL	62	0	31	0	291	36							420	3239
ITALY	2265	1688	2200	980	344	1183							8660	8080
JAPAN	1849	1582	2230	2472	1577	2390							12100	10939
KOREA, REP. OF	935	947	655	614	1247	956							5354	2479
MALAYSIA	48	95	0	95	87	95							420	96
MEXICO	1586	1232	1784	824	2080	1303							8809	6821
ROMANIA	372	58	590	88	516	749							2373	894
SWITZERLAND	71	152	198	89	17	70							597	392
TAIWAN	1911	1559	1338	2580	1985	2003							11376	10416
UNITED KINGDOM	777	1280	1522	1264	1635	1032							7510	12389
ALL OTHER COUNTRIES [d]	24	13	135	72	103	7							354	1453
TOTAL NONCELLULOSIC STAPLE+TOW	16757	15116	16994	14948	14757	16429							95001	88971

+ Nominal quantity.

Other countries supplying 1987 quantities are:

[a] France 3, Australia 2, Belgium 1, Korea, Rep. of 1, United Kingdom 1.

[b] Austria 76, Germany, Fed. Rep. 23, France 7, Finland 3, Belgium 1.

[c] Australia 94, South Africa 88, Romania 81, Spain 74, Argentina 69, Finland 61, Austria 40, Turkey 39, Chile 36, Morocco 33, Norway 32, Philippines 27, Sweden 6, Thailand 4, Brazil 3, Greece 1, Guatemala 1, Iceland 1, Hong Kong.

[d] Denmark 133, Costa Rica 91, Hong Kong 56, Turkey 37, China,PRC 17, Netherlands 16, Portugal 2, India 1, Sweden 1, Philippines.

TABLE 8:
U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/87	1987												YEAR TO DATE	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1987	1986
CELLULOSIC FIBERS															
YARN - SINGLES															
TEXTURED	310.0106 & .0206	29	139	0	45	57	20							290	241
OTHER	310.0130 & .0230[a]	1237	691	891	1000	729	607							5155	7083
MONOFILAMENTS	309.0310 & .0610	0	5	0	0	0	0							5	15
STRIPS, $1/LB & UNDER	309.2000*	1	0	0	0	0	2							3	586
SUBTOTAL ABOVE		**1267**	**835**	**891**	**1045**	**786**	**629**							**5453**	**7925**
STAPLE	309.4320 & .4325	867	1402	1569	1336	1072	1397							7643	7519
GROUPED FILAMENTS	309.3010 & .3310	118	22	91	42	17	0							290	627
SUBTOTAL ABOVE		**985**	**1424**	**1660**	**1378**	**1089**	**1397**							**7933**	**8146**
WASTE, ADVANCED&NOT ADVANCED	309.6615 & .7510	**0**	**0**	**0**	**7**	**0**	**21**							**28**	**76**
NONCELLULOSIC FIBERS															
YARN - SINGLES															
TEXTURED - NYLON															
LESS THAN 450	310.0107 & .0207	142	163	113	123	147	150							838	1487
MORE THAN 450	310.0108 & .0208	2592	2933	3169	3131	1822	1660							15307	12445
- POLYESTER	310.0110 & .0210	1000	2243	1670	1399	1016	650							7978	5917
- OTHER	310.0114 & .0214	1876	2010	1396	1300	1785	1867							10234	9499
OTHER - NYLON	310.0149 & .0249	2008	2121	2350	2348	1695	1694							12216	9392
- POLYESTER	310.0150 & .0250	1918	1327	2088	2006	1590	1438							10367	12311
- OTHER	310.0170 & .0270[b]	417	486	610	680	713	358							3264	2358
MONOFILAMENTS	309.0200 & .0330[c]	272	281	265	263	354	297							1732	1414
STRIPS, OVER $1/LB	309.2100 & .2500*	199	196	235	244	169	161							1204	720
SUBTOTAL ABOVE		**10424**	**11760**	**11896**	**11494**	**9291**	**8275**							**63140**	**55543**
STAPLE - NYLON	309.4331 & .4351	5346	4106	5357	3521	2137	3037							23504	22471
- POLYESTER	309.4336 & .4361	5335	5030	5122	4833	6596	5980							32896	18126
- ACRYLIC	309.4366	1216	839	1202	1285	1073	1724							7339	7188
- OLEFIN	309.4371	2	153	42	38	21	28							284	1323
- OTHER	309.4341 & .4390	479	904	1233	1011	918	1567							6112	10407
GROUPED FILAMENTS															
NYLON	309.3030 & .3200	3012	2523	2383	2409	2436	2723							15486	20015
POLYESTER	309.3040 & .3340	367	279	441	383	260	145							1875	890
ACRYLIC	309.3050 & .3350	861	1144	1073	1290	1015	1104							6487	6837
OTHER	309.3065 & .3365	139	138	141	178	301	121							1018	1714
SUBTOTAL ABOVE		**16757**	**15116**	**16994**	**14948**	**14757**	**16429**							**95001**	**88971**
WASTE, NOT ADVANCED															
- NYLON	309.6625	2279	2182	3100	1454	2026	2732							13773	11394
- POLYESTER	309.6630	1077	823	1475	867	525	1035							5802	3200
- ACRYLIC	309.6645	20	53	0	18	41	0							132	25
- OTHER	309.6660	415	518	810	415	460	339							2957	4323
NOILS & GARNETTED FIBERS	309.7000*	0	0	0	0	0	31							31	121
OTHER WASTE, ADVANCED	309.7525 - .7555	42	153	67	638	1016	243							2159	2008
SUBTOTAL ABOVE		**3833**	**3729**	**5452**	**3392**	**4068**	**4380**							**24854**	**21071**
TOTAL MAN-MADE ABOVE		33266	32864	36893	32264	29991	31131							196409	181732
OTHER MAN-MADE FIBER TOPS, YARN & THREAD															
YARN - PLIED															
TEXTURED - CELLULOSIC	310.1506	0	0	+	0	0	0							0	30
- NONCELLULOSIC	310.1015[d]& .1205[e]	142	337	593	392	244	487							2195	5695
OTHER - CELLULOSIC	310.1030 & .1535[f]	8	85	7	43	19	72							234	26
- NONCELLULOSIC	310.1050 & .1070[g]	336	339	306	285	157	214							1637	282
SPUN YARN - CELLULOSIC	310.4005 & .4030[h]	151	112	165	134	60	143							765	1183
- OTHER	310.4015 & .4027[i]	2574	3765	3232	3780	4318	3892							21561	20641
OTHER YARNS - NES, INCL. CHENILLE	310.6034 - .8000	1493	1673	1629	2004	1943	2792							11534	6388
HANDWORK YARNS & SEWING THREAD	310.9000 & .9310[j]	831	662	217	690	689	915							4004	2546
SLIVER, TOPS & ROVING	309.9000	383	279	281	607	585	1021							3156	1751
TEXTILE GLASS FIBER	309.2800 & .2900[k]	1431	1672	1653	2285	1279	2046							10366	13870
GRAND TOTAL ABOVE		**40615**	**41788**	**44976**	**42484**	**39285**	**42713**							**251861**	**234144**

SOURCE: U.S. Census Bureau Report IM145X.

NES Not elsewhere specified.

+ Nominal quantity.

* These items are not reported by the Census as cellulosic vs. noncellulosic. Separation of cellulosic and noncellulosic quantities are estimated, based primarily on average declared value.

a. Also includes 310.0610.

b. Also includes 310.0550, .0630 & .0650.

c. Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.

d. There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

e. Also includes 310.1210.

f. Also includes 310.2110.

g. Also includes 310.1510, .1514, .1550, 1555, .1570, .2050, .2130 & .2150.

h. Also includes 310.5005 & .5030.

i. Also includes 310.4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051.

j. Also includes 310.9320 & .9500.

k. Chiefly roving. Also includes 309.9800 & .9900.

TABLE 9:
U.S. EXPORTS OF MAN-MADE FIBERS

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/87	1987												YEAR TO DATE	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1987	1986
CELLULOSIC FIBERS															
FILAMENT YARN [a]															
TEXTURED	310.0004	43	100	101	24	17	12							297	37
OTHER [b]	310.0026	475	365	639	468	654	306							2907	3738
MONOFILAMENTS	309.0110	0	0	0	2	0	+							2	52
STRIPS	309.2210	1	1	40	2	13	0							57	14
SUBTOTAL ABOVE		**519**	**466**	**780**	**496**	**684**	**318**							**3263**	**3841**
STAPLE+TOW-RAYON	309.4222	3930	1732	3107	2705	2582	2700							16756	14932
STAPLE-ACETATE	309.4219	33	112	156	112	215	164							792	934
SUBTOTAL ABOVE		**3963**	**1844**	**3263**	**2817**	**2797**	**2864**							**17548**	**15866**
WASTE, ADVANCED&NOT ADVANCED	309.7400	**231**	**169**	**47**	**134**	**52**	**35**							**668**	**1058**
NONCELLULOSIC FIBERS															
YARN - SINGLES															
NYLON - TEXTURED	310.0005 & .0007	2678	2441	2542	2077	2760	3503							16001	11672
- HIGH TENACITY [c]	310.0027	7294	6373	5419	6719	7072	5385							38262	35353
- OTHER	310.0029	636	684	605	753	883	1054							4615	5293
POLYESTER - TEXTURED	310.0010	2151	2949	3145	2473	2079	1983							14780	51173
- HIGH TENACITY [c]	310.0032	1691	1913	2308	1475	1806	2286							11479	13063
- OTHER [d]	310.0034	160	233	152	75	201	161							982	1634
OTHER - TEXTURED	310.0014	1053	1386	1502	1133	1406	1995							8475	14384
- OLEFIN	310.0040	74	35	53	55	16	72							305	1353
- OTHER	310.0044	389	577	654	748	445	737							3550	2957
MONOFILAMENTS, ALL DENIERS															
NYLON	309.0120	416	687	641	417	553	676							3390	2506
POLYESTER	309.0140	322	523	524	587	1447	1142							4545	3062
OTHER	309.0170	478	492	875	480	718	656							3699	2353
STRIPS	309.2220 & .2270	259	424	470	342	537	360							2392	1759
SUBTOTAL ABOVE		**17601**	**18717**	**18890**	**17334**	**19923**	**20010**							**112475**	**146562**
STAPLE - NYLON	309.4240	2060	1757	2615	1445	2092	1258							11227	7089
- POLYESTER	309.4242	18819	17019	16575	14494	13960	15011							95878	48485
- ACRYLIC	309.4245	4792	3355	2531	2440	4482	5365							22965	34264
- OLEFIN	309.4246	1893	2016	2642	2075	1583	1203							11412	6605
- OTHER	309.4247	1004	3194	2027	2959	4586	7965							21735	8834
GROUPED FILAMENTS															
NYLON	309.3220	283	737	386	275	259	470							2410	3313
POLYESTER [d]	309.3240	1941	1832	1578	2318	1728	1811							11208	10195
ACRYLIC	309.3250 & .3255	1653	2207	1805	1980	329	1768							9742	13590
SUBTOTAL ABOVE		**32445**	**32117**	**30159**	**27986**	**29019**	**34851**							**186577**	**132375**
WASTE, ADVANCED&NOT ADVANCED															
- NYLON	309.7620	1021	1143	1095	1164	1260	1066							6749	3313
- POLYESTER	309.7630	2830	4649	5303	5570	5293	4829							28474	31925
- ACRYLIC	309.7640	1086	1362	1545	432	428	701							5554	3724
- OTHER	309.7660	2543	3090	5034	2174	2633	3380							18854	22492
SUBTOTAL ABOVE		**7480**	**10244**	**12977**	**9340**	**9614**	**9976**							**59631**	**61454**
TOTAL MAN-MADE ABOVE		**62239**	**63557**	**66116**	**58107**	**62089**	**68054**							**380162**	**361156**
TEXTILE GLASS FIBER	309.2700 & .9700	5992	6585	7160	7265	7967	7821							42790	28072
GRAND TOTAL ABOVE		**68231**	**70142**	**73276**	**65372**	**70056**	**75875**							**422952**	**389228**

SOURCE: U.S. Census Bureau Report EM522.

a. Includes thrown, singles and plied yarn.
b. Includes rayon tire cord and cord fabric.
c. Includes noncellulosic tire cord and cord fabric.
d. Includes zero twist yarns.

TABLE 10:
QUARTERLY MAN-MADE FIBER DATA

MILLION POUNDS

ITEM	1985					1986					1987				
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR
						YARN+MONOFILAMENTS									
CELLULOSIC YARN [d]															
PRODUCTION	52.8	54.5	48.4	48.9	204.6	54.3	54.7	54.1	51.7	214.8	46.2	46.7			
SHIPMENTS - DOMESTIC	44.4	48.0	46.6	48.1	187.1	48.6	50.4	47.7	45.4	192.1	39.2	43.6			
- EXPORT	7.3	6.0	4.6	5.1	23.0	4.7	5.1	4.9	5.5	20.2	5.0	5.9			
TOTAL SHIPMENTS	51.7	54.0	51.2	53.2	210.1	53.3	55.5	52.6	50.9	212.3	44.2	49.5			
ENDING STOCK	18.9	19.4	16.6	12.3		13.3	12.5	14.0	14.8		16.8	14.0			
NYLON															
PRODUCTION	370.8	360.3	386.7	397.0	1514.8	396.9	396.5	398.3	414.6	1606.3	414.1	427.5			
SHIPMENTS - DOMESTIC	323.7	353.0	368.9	371.8	1417.4	363.4	368.7	377.7	370.6	1480.4	389.3	394.8			
- EXPORT	33.5	25.0	33.3	26.6	118.4	26.7	28.2	25.1	32.8	112.8	32.1	37.9			
TOTAL SHIPMENTS	357.2	378.0	402.2	398.4	1535.8	390.1	396.9	402.8	403.4	1593.2	421.4	432.7			
ENDING STOCK	154.3	136.6	121.1	119.7		126.5	126.1	121.6	132.8		125.5	120.3			
OLEFIN [a]															
PRODUCTION	231.6	251.1	234.5	237.3	954.5	245.9	255.7	259.5	296.6	1057.7	255.8	283.9			
SHIPMENTS - DOMESTIC	223.6	246.0	234.4	233.6	937.6	241.3	258.4	257.8	291.7	1049.2	261.5	281.8			
- EXPORT	3.6	3.8	3.2	2.9	13.5	2.4	2.9	2.6	2.6	10.5	2.7	1.7			
TOTAL SHIPMENTS	227.2	249.8	237.6	236.5	951.1	243.7	261.3	260.4	294.3	1059.7	264.2	283.5			
ENDING STOCK	65.9	67.2	64.1	64.9		67.1	61.5	60.6	62.9		54.5	54.9			
POLYESTER															
PRODUCTION	316.2	340.8	345.9	318.0	1320.9	322.2	271.5	285.5	293.5	1172.7	287.7	303.3			
SHIPMENTS - DOMESTIC	290.1	311.6	309.2	293.3	1204.2	284.8	253.5	273.7	280.4	1092.4	267.8	286.2			
- EXPORT	17.7	30.6	29.0	31.0	108.3	21.8	23.8	14.3	17.4	77.3	15.4	17.4			
TOTAL SHIPMENTS	307.8	342.2	338.2	324.3	1312.5	306.6	277.3	288.0	297.8	1169.7	283.2	303.6			
ENDING STOCK	107.9	106.5	114.2	107.9		123.5	117.7	115.2	110.9		115.4	115.1			
TOTAL NONCELLULOSIC ABOVE															
PRODUCTION	918.6	952.2	967.1	952.3	3790.2	965.0	923.7	943.3	1004.7	3836.7	957.6	1014.7			
SHIPMENTS - DOMESTIC	837.4	910.6	912.5	898.7	3559.2	889.5	880.6	909.2	942.7	3622.0	918.6	962.8			
- EXPORT	54.8	59.4	65.5	60.5	240.2	50.9	54.9	42.0	52.8	200.6	50.2	57.0			
TOTAL SHIPMENTS	892.2	970.0	978.0	959.2	3799.4	940.4	935.5	951.2	995.5	3822.6	968.8	1019.8			
ENDING STOCK	328.1	310.3	299.4	292.5		317.1	305.3	297.4	306.6		295.4	290.3			
DOMESTIC SHIPMENTS	837.4	910.6	912.5	898.7	3559.2	889.5	880.6	909.2	942.7	3622.0	918.6	962.8			
IMPORTS -TEXTURED YARN [b]	16.2	16.2	22.7	17.8	72.9	17.9	19.5	20.4	24.1	81.9	19.3	15.1			
-OTHER YARN [b]	11.9	12.0	9.3	8.4	41.6	12.3	13.9	14.7	14.0	54.9	13.3	12.5			
-MONOFILAMENTS	0.6	0.6	0.5	0.4	2.1	0.8	0.6	0.5	0.8	2.7	0.8	0.9			
TOTAL IMPORTS	28.7	28.8	32.5	26.6	116.6	31.0	34.0	35.6	38.9	139.5	33.4	28.5			
TOTAL AVAILABLE	866.1	939.4	945.0	925.3	3675.8	920.5	914.6	944.8	981.6	3761.5	952.0	991.3			
						TEXTILE GLASS FIBER									
PRODUCTION	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
SHIPMENTS - DOMESTIC	300.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
- EXPORT	17.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
TOTAL SHIPMENTS	317.9	325.6	318.8	297.3	1259.6	330.6	352.6	333.9	322.2	1339.3	366.1	392.1			
ENDING STOCK	NA	NA	NA	NA		NA	NA	NA	NA		NA	NA			
IMPORTS	7.5	9.4	8.4	9.4	34.7	7.9	6.0	4.4	5.4	23.7	4.7	5.6			
TOTAL AVAILABLE	308.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			

FOOTNOTES FOR TABLE ABOVE & OPPOSITE

NA no longer available.

"Imports" are imports for consumption, as reported by the U.S. Census Bureau.

a. Also include film fiber as well as spunbonded polypropylene.

b. Includes singles and plied.

c. These figures are composites of the nylon, acrylic+modacrylic and polyester staple imports, i.e., Commodity Numbers 309.4331, .4351, .4336, .4361 & .4366.

d. Includes both rayon & acetate yarn.

e. These figures are composites of olefin and other staple imports, i.e., Commodity Numbers 309.4371, .4341 & .4390.

TABLE 10:
QUARTERLY MAN-MADE FIBER DATA *(Continued)*

MILLION POUNDS

ITEM	1985					1986					1987				
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR
						STAPLE+TOW									
RAYON															
PRODUCTION	85.6	85.8	87.2	94.1	352.7	95.1	99.7	103.4	105.5	403.7	101.3	100.5			
SHIPMENTS - DOMESTIC	73.8	76.6	82.9	90.4	323.7	91.6	92.0	95.1	94.3	373.0	91.8	91.0			
- EXPORT	7.9	13.5	10.0	3.6	35.0	6.3	6.9	7.3	10.3	30.8	8.1	8.2			
TOTAL SHIPMENTS	81.7	90.1	92.9	94.0	358.7	97.9	98.9	102.4	104.6	403.8	99.9	99.2			
ENDING STOCK	32.4	28.1	22.4	22.5		19.7	20.5	21.5	22.4		23.8	25.1			
DOMESTIC SHIPMENTS	73.8	76.6	82.9	90.4	323.7	91.6	92.0	95.1	94.3	373.0	91.8	91.0			
IMPORTS FOR CONSUMPTION															
STAPLE	3.8	2.2	2.4	2.9	11.3	3.9	3.6	4.6	4.3	16.4	3.9	3.8			
GROUPED FILAMENTS	0.3	0.3	0.3	0.2	1.1	0.3	0.3	0.3	0.1	1.0	0.2	0.1			
TOTAL IMPORTS	4.1	2.5	2.7	3.1	12.4	4.2	3.9	4.9	4.4	17.4	4.1	3.9			
TOTAL AVAILABLE	77.9	79.1	85.6	93.5	336.1	95.8	95.9	100.0	98.7	390.4	95.9	94.9			
NYLON															
PRODUCTION	191.6	200.8	215.6	219.7	827.7	220.5	207.4	236.1	244.3	908.3	247.4	261.0			
SHIPMENTS-DOMESTIC	192.8	202.7	212.9	221.9	830.3	195.2	203.2	254.3	242.2	894.9	246.2	253.2			
-EXPORT	3.3	3.1	3.2	3.7	13.3	3.9	2.9	3.0	3.5	13.3	5.3	5.0			
TOTAL SHIPMENTS	196.1	205.8	216.1	225.6	843.6	199.1	206.1	257.3	245.7	908.2	251.5	258.2			
ENDING STOCK	74.1	69.1	68.6	62.7		84.1	85.4	64.2	62.8		58.7	61.5			
IMPORTS	8.7	8.0	12.5	9.3	38.5	11.9	10.6	14.9	14.6	52.0	14.8	8.7			
TOTAL AVAILABLE	201.5	210.7	225.4	231.2	868.8	207.1	213.8	269.2	256.8	946.9	261.0	261.9			
ACRYLIC+MODACRYLIC															
PRODUCTION	163.0	158.5	152.1	157.2	630.8	149.0	151.1	158.0	157.8	615.9	155.7	159.0			
SHIPMENTS-DOMESTIC	105.3	119.7	118.6	115.1	458.7	123.1	143.7	138.7	125.7	531.2	139.4	131.6			
-EXPORT	59.0	42.4	46.7	37.0	185.1	27.1	19.2	17.8	18.8	82.9	14.7	17.0			
TOTAL SHIPMENTS	164.3	162.1	165.3	152.1	643.8	150.2	162.9	156.5	144.5	614.1	154.1	148.6			
ENDING STOCK	76.1	72.5	59.3	64.4		63.2	51.4	52.9	66.2		67.8	78.2			
IMPORTS	3.4	3.6	5.9	4.7	17.6	3.2	4.0	5.3	4.9	17.4	3.3	4.1			
TOTAL AVAILABLE	108.7	123.3	124.5	119.8	476.3	126.3	147.7	144.0	130.6	548.6	142.7	135.7			
OLEFIN+VINYON															
PRODUCTION	69.1	72.7	75.1	77.8	294.7	82.4	82.3	84.7	85.9	335.3	85.5	92.3			
SHIPMENTS-DOMESTIC	67.2	71.9	70.8	69.8	279.7	73.9	82.6	76.4	79.8	312.7	81.1	85.7			
-EXPORT	1.0	2.0	3.2	2.3	8.5	4.2	4.8	4.8	5.0	18.8	6.9	5.7			
TOTAL SHIPMENTS	68.2	73.9	74.0	72.1	288.2	78.1	87.4	81.2	84.8	331.5	88.0	91.4			
ENDING STOCK	24.1	22.9	24.0	29.7		34.0	28.9	32.4	33.5		31.0	31.9			
POLYESTER															
PRODUCTION	520.7	512.2	468.9	518.3	2020.1	520.8	538.7	522.1	550.7	2132.3	581.0	596.2			
SHIPMENTS-DOMESTIC	456.3	460.2	462.4	493.8	1872.7	499.1	499.9	496.3	503.3	1998.6	534.4	549.9			
-EXPORT	51.0	63.2	29.1	22.6	165.9	25.7	25.0	31.6	42.5	124.8	48.2	47.0			
TOTAL SHIPMENTS	507.3	523.4	491.5	516.4	2038.6	524.8	524.9	527.9	545.8	2123.4	582.6	596.9			
ENDING STOCK	186.9	175.7	153.1	155.0		151.0	164.8	159.0	163.9		162.3	161.6			
IMPORTS	5.5	7.7	7.3	6.3	26.8	9.3	8.9	8.7	13.9	40.8	15.5	17.4			
TOTAL AVAILABLE	461.8	467.9	469.7	500.1	1899.5	508.4	508.8	505.0	517.2	2039.4	549.9	567.3			
TOTAL NONCELLULOSIC															
PRODUCTION	944.4	944.2	911.7	973.0	3773.3	972.7	979.5	1000.9	1038.7	3991.8	1069.6	1108.5			
SHIPMENTS-DOMESTIC	821.6	854.5	864.7	900.6	3441.4	891.3	929.4	965.7	951.0	3737.4	1001.1	1020.4			
-EXPORT	114.3	110.7	82.2	65.6	372.8	60.9	51.9	57.2	69.8	239.8	75.1	74.7			
TOTAL SHIPMENTS	935.9	965.2	946.9	966.2	3814.2	952.2	981.3	1022.9	1020.8	3977.2	1076.2	1095.1			
ENDING STOCK	361.2	340.2	305.0	311.8		332.3	330.5	308.5	326.4		319.8	333.2			
DOMESTIC SHIPMENTS	821.6	854.5	864.7	900.6	3441.4	891.3	929.4	965.7	951.0	3737.4	1001.1	1020.4			
IMPORTS FOR CONSUMPTION															
3 FIBERS ABOVE [c]	17.6	19.3	25.7	20.3	82.9	24.4	23.5	28.9	33.4	110.2	33.6	30.2			
OTHER N.C. STAPLE [e]	7.1	7.3	8.7	8.2	31.3	7.2	4.4	2.5	2.0	16.1	3.2	3.6			
GROUPED FILAMENTS	9.5	11.8	11.9	12.3	45.5	14.4	15.0	14.7	12.4	56.5	12.4	12.4			
TOTAL IMPORTS	34.2	38.4	46.3	40.8	159.7	46.0	42.9	46.1	47.8	182.8	49.2	46.2			
TOTAL AVAILABLE	855.8	892.9	911.0	941.4	3601.1	937.3	972.3	1011.8	998.8	3920.2	1050.3	1066.6			

See footnotes on opposite page.

TABLE 11:
SELECTED U.S. MONTHLY FIBER DATA
MILLION POUNDS

ITEM	1987												YEAR TO DATE[a]	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1987	1986
MAN-MADE FIBER TOTAL SHIPMENTS[b c]														
YARN+MONOFILAMENTS														
CELLULOSIC YARN	14.6	13.7	15.9	16.5	16.1	16.9	14.6						108.3	126.5
NYLON[d] - INDUSTRIAL[e]	31.0	32.8	30.6	29.5	35.7	30.0	30.6						220.2	191.3
- CARPET	75.1	77.6	79.9	76.9	86.2	78.5	80.4						554.6	510.3
- TEXTILE[g]	30.5	30.4	33.5	32.1	32.4	31.4	31.1						221.4	214.5
POLYESTER - INDUSTRIAL[e]	26.6	27.6	29.4	27.7	28.0	26.9	26.1						192.3	182.0
- TEXTILE[g]	63.3	64.0	72.3	75.7	73.6	71.7	72.3						492.9	495.0
OLEFIN[f]	92.3	87.6	84.3	88.9	89.8	94.7	83.0						620.6	581.9
TOTAL NONCELLULOSIC ABOVE	**318.8**	**320.0**	**330.0**	**330.8**	**345.7**	**333.2**	**323.5**						**2302.0**	**2175.0**
STAPLE+TOW+FIBERFILL														
RAYON	34.1	29.7	36.1	33.2	31.6	34.4	33.6						232.7	231.0
NYLON[d]	84.1	81.2	86.2	88.7	91.1	78.4	81.5						591.2	484.5
ACRYLIC+MODACRYLIC	49.2	50.7	54.2	51.2	52.3	45.1	47.5						350.2	363.1
POLYESTER	184.8	192.2	205.6	195.1	193.4	208.4	181.6						1361.1	1215.9
OLEFIN+VINYON[h]	28.2	27.9	31.9	31.1	30.0	30.2	26.9						206.2	193.3
TOTAL NONCELLULOSIC ABOVE	**346.3**	**352.0**	**377.9**	**366.1**	**366.8**	**362.1**	**337.5**						**2508.7**	**2256.8**
MAN-MADE FIBER END-OF-MONTH STOCK														
YARN+MONOFILAMENTS														
CELLULOSIC YARN	17.9	18.2	16.8	15.2	14.7	14.0	14.0						14.0	13.3
NYLON[d] - INDUSTRIAL[e]	29.2	24.9	26.7	29.0	27.0	25.8	26.5						26.5	30.3
- CARPET	56.6	55.5	52.3	52.4	48.3	47.7	52.7						52.7	55.4
- TEXTILE[g]	49.6	49.4	46.5	47.2	47.6	46.8	48.6						48.6	44.6
POLYESTER - INDUSTRIAL[e]	30.6	30.0	27.8	29.0	28.5	29.4	31.6						31.6	32.0
- TEXTILE[g]	85.6	88.8	87.6	83.2	80.0	85.7	85.6						85.6	82.8
OLEFIN[f]	54.7	55.6	54.5	56.3	56.0	55.7	56.8						56.8	64.7
TOTAL NONCELLULOSIC ABOVE	**306.3**	**304.2**	**295.4**	**297.1**	**287.4**	**291.1**	**301.8**						**301.8**	**309.8**
STAPLE+TOW+FIBERFILL														
RAYON	24.3	26.1	23.8	24.7	25.9	25.1	25.0						25.0	20.5
NYLON[d]	59.3	53.8	58.7	57.7	56.4	61.5	66.9						66.9	78.7
ACRYLIC+MODACRYLIC	68.2	67.9	67.8	70.1	71.6	78.2	73.9						73.9	54.9
POLYESTER	178.0	169.8	162.3	162.4	171.7	161.6	182.1						182.1	170.8
OLEFIN+VINYON[h]	33.3	32.6	31.0	30.3	30.8	31.8	34.5						34.5	30.4
TOTAL NONCELLULOSIC ABOVE	**338.8**	**324.1**	**319.8**	**320.5**	**330.5**	**333.1**	**357.4**						**357.4**	**334.8**
WOOL & COTTON CONSUMPTION														
APPAREL CLASS WOOL	13.8	13.1	15.0	13.8	13.4	13.8							82.9	80.1
CARPET CLASS WOOL	0.8	0.8	1.2	1.3	1.3	0.8							6.2	4.9
TOTAL RAW WOOL	14.6	13.9	16.2	15.1	14.7	14.6							89.1	85.0
RAW COTTON	302.3	281.8	341.4	301.8	308.4	331.1							1866.8	1608.6

a. "Year-to-date" totals for stock, are the latest month's figures.

b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

c. Producers' total domestic shipments plus export shipments.

d. Data for nylon exclude Aramid.

e. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

f. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.

g. Low denier industrial nylon and polyester included with Textile.

h. 1987 data exclude Vinyon.

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MAN-MADE
FIBER REVIEW

A Monthly Summary of Fiber Production Information Vol. 6, No. 6 JUNE 1987

HIGHLIGHTS

- SAMPLE -

In May, production of noncellulosic fibers (except aramid, saran and spandex) totaled 712.8 million pounds, 2.1% above the 698.2 million pounds produced in April. Filament yarn production rose 1.4% to 336.0 million pounds and staple+tow rose 2.7% to 376.8 million pounds.

Shipments of noncellulosic fibers (except aramid, saran and spandex) rose in May to 712.5 million pounds, up 2.2% from the 696.9 million pounds shipped in April. Deliveries of filament yarn rose 4.8% to 345.7 million pounds and shipments of staple+tow rose 0.2% to 366.8 million pounds.

May producer exports of polyester staple+tow fell 12.2% to 13.6 million pounds and exports of acrylic+ modacrylic staple+tow rose to 7.4 million pounds, up 95.0%. For May 1987, producer exports of polyester staple+tow were 39.0% above the 9.8 million pounds exported in May 1986.

May shipments of noncellulosic fibers to the carpet trades rose to 185.4 million pounds, up 7.0% from the 173.3 million pounds shipped in April. Nylon staple+tow rose by 2.9%, nylon yarn rose by 12.0% and polyester staple+tow rose by 4.3%.

As of the end of May, stocks of noncellulosic fibers rose to 617.9 million pounds, up 0.1% from 617.6 million pounds in April. Stocks of staple+tow rose 3.1% and stocks of filament yarn fell 3.3%.

MAN-MADE FIBER PRODUCTION DATA

MILLION POUNDS & *PERCENT CHANGE*

ITEM	1987		%[a]	1986	%[b]	YEAR TO DATE		%[c]
	MAY	APR		MAY		1987	1986	
YARN+MONOFILAMENTS								
CELLULOSIC YARN	15.6	14.9	*+4.7*	19.0	*-17.9*	76.7	91.5	*-16.2*
NYLON[d] - INDUSTRIAL	33.7	31.8	*+6.0*	28.7	*+17.4*	155.8	143.0	*+9.0*
- CARPET	82.1	77.0	*+6.6*	77.7	*+5.7*	389.3	371.3	*+4.8*
- TEXTILE[e]	32.8	32.8	--	31.7	*+3.5*	159.2	154.4	*+3.1*
POLYESTER - INDUSTRIAL	27.5	28.9	*-4.8*	26.1	*+5.4*	138.4	137.5	*+0.7*
- TEXTILE[e]	70.4	71.3	*-1.3*	68.0	*+3.5*	347.4	374.0	*-7.1*
OLEFIN	89.5	89.6	*-0.1*	81.9	*+9.3*	442.5	414.1	*+6.9*
TOTAL NONCELLULOSIC ABOVE	**336.0**	**331.4**	***+1.4***	**314.1**	**+7.0**	**1632.6**	**1594.3**	***+2.4***
STAPLE +TOW+FIBERFILL								
RAYON	32.8	34.1	*-3.8*	33.2	*-1.2*	168.2	161.4	*+4.2*
NYLON[d]	89.8	87.7	*+2.4*	70.8	*+26.8*	424.9	363.4	*+16.9*
ACRYLIC+MODACRYLIC	53.8	53.5	*+0.6*	52.0	*+3.5*	263.0	250.3	*+5.1*
POLYESTER	202.7	195.2	*+3.8*	185.7	*+9.2*	978.9	884.9	*+10.6*
OLEFIN+VINYON[f]	30.5	30.4	*+0.3*	27.3	*+11.7*	146.4	135.6	*+8.0*
TOTAL NONCELLULOSIC ABOVE	**376.8**	**366.8**	***+2.7***	**335.8**	***+12.2***	**1813.2**	**1634.2**	***+11.0***

[a] Percent change from previous monthtocurrent month.
[b] Percent change to current month from same month last year.
[c] Percent change from cumulative total last year to cumulative total this year.
[d] Nylon excludes Aramid.
[e] Low denier industrial nylon and polyester is included with Textile.
[f] 1987 data no longer includes Vinyon.

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NONCELLULOSIC YARN+MONOFILAMENTS
PRODUCTION, SHIPMENTS & STOCK
MONTHLY 1987
MILLION POUNDS

	1987												YEAR TO DATE	
ITEM	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1987	1986
NYLON														
INDUSTRIAL[a]														
Domestic Shipments-Tires	13.6	15.3	14.7	12.0	11.7								67.3	62.1
-Other	8.0	8.2	9.3	9.9	9.6								45.0	44.6
Export	9.4	9.3	6.6	7.6	14.4								47.3	34.6
Ending Stock	29.2	24.9	26.7	29.0	27.0								27.0	27.2
CARPET														
Domestic Shipments	73.9	76.0	78.6	75.1	84.1								387.7	351.3
Export	1.2	1.6	1.3	1.8	2.1								8.0	7.4
Ending Stock	56.6	55.5	52.3	52.4	48.3								48.3	59.0
TEXTILE[d]														
Domestic Shipments	29.8	29.6	32.3	31.2	31.4								154.3	152.0
Export	0.7	0.8	1.2	0.9	1.0								4.6	4.4
Ending Stock	49.6	49.4	46.5	47.2	47.6								47.6	45.8
TOTAL NYLON ABOVE														
PRODUCTION	**139.2**	**135.2**	**139.7**	**141.6**	**148.6**								**704.3**	**668.7**
Domestic Shipments	125.3	129.1	134.9	128.2	136.8								654.3	610.0
Export	11.3	11.7	9.1	10.3	17.5								59.9	46.4
TOTAL SHIPMENTS	**136.6**	**140.8**	**144.0**	**138.5**	**154.3**								**714.2**	**656.4**
ENDING STOCK	**135.4**	**129.8**	**125.5**	**128.6**	**122.9**								**122.9**	**132.0**
POLYESTER														
INDUSTRIAL[a]														
Domestic Shipments-Tires	13.8	13.3	13.8	14.0	13.8								68.7	64.2
-Other	10.4	11.4	12.6	11.5	11.6								57.5	56.5
Export	2.4	2.9	3.0	2.2	2.6								13.1	12.1
Ending Stock	30.6	30.0	27.8	29.0	28.5								28.5	28.9
TEXTILE[d]														
Domestic Shipments by Denier														
40+50 (55 & Finer)	2.1	2.4	3.1	3.2	3.2								14.0	12.8
70 (56-89)	10.9	8.8	10.9	9.8	10.2								50.6	52.9
100 (90-109)	2.9	4.0	4.1	4.1	4.0								19.1	28.2
120 (110-129) & 135 (130-144)	0.9	1.5	1.4	1.0	1.0								5.8	3.6
150 (145-179)	40.9	40.0	43.6	49.2	45.6								219.3	212.2
200 (180 & Coarser)	4.3	4.6	6.1	5.8	6.1								26.9	29.0
Total Textile Domestic	62.0	61.3	69.2	73.1	70.1								335.7	338.7
Domestic Shipments also Divided as														
Textured Yarn	48.8	47.2	53.3	58.0	55.0								262.3	269.2
Flat Yarn	13.2	14.1	15.9	15.1	15.1								73.4	69.5
Export	1.3	2.7	3.1	2.6	3.5								13.2	27.1
Ending Stock	85.6	88.8	87.6	83.2	80.0								80.0	91.9
TOTAL POLYESTER ABOVE														
PRODUCTION	**95.2**	**94.2**	**98.3**	**100.2**	**97.9**								**485.8**	**511.5**
Domestic Shipments	86.2	86.0	95.6	98.6	95.5								461.9	459.4
of Which Indirect Exports	*'5.2*	*'4.9*	*5.1*	*'5.8*	*4.2*								*25.2*	*38.7*
Export	3.7	5.6	6.1	4.8	6.1								26.3	39.2
TOTAL SHIPMENTS	**89.9**	**91.6**	**101.7**	**103.4**	**101.6**								**488.2**	**498.6**
ENDING STOCK	**116.2**	**118.8**	**115.4**	**112.2**	**108.5**								**108.5**	**120.8**
OLEFIN														
PRODUCTION	84.1	88.5	90.8	89.6	89.5								**442.5**	**414.1**
Shipments														
Filament Yarn	17.2	20.3	19.5	19.7	19.7								96.4	82.6
Film Fiber & Other	75.1	67.3	71.3	69.2	70.1								353.0	330.0
TOTAL SHIPMENTS	**92.3**	**87.6**	**90.8**	**88.9**	**89.8**								**449.4**	**412.6**
ENDING STOCK	**54.7**	**55.6**	**55.6**	**56.3**	**56.0**								**56.0**	**66.4**
TOTAL ABOVE[c]														
PRODUCTION	**318.5**	**317.9**	**328.8**	**331.4**	**336.0**								**1632.6**	**1594.3**
SHIPMENTS	**318.8**	**320.0**	**336.5**	**330.8**	**345.7**								**1651.8**	**1567.6**
ENDING STOCK	**306.3**	**304.2**	**296.5**	**297.1**	**287.4**								**287.4**	**319.2**

See footnotes opposite.

NONCELLULOSIC STAPLE+TOW+FIBERFILL
PRODUCTION, SHIPMENTS & STOCK

MONTHLY 1987

MILLION POUNDS

	1987												YEAR TO DATE	
ITEM	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1987	1986
NYLON														
PRODUCTION - TOTAL	**80.6**	**75.7**	**91.1**	**87.7**	**89.8**								**424.9**	**363.4**
Domestic Shipments by Denier														
Less than 10	8.9	8.5	8.4	9.3	7.3								42.4	39.3
10, Less than 15	3.0	1.9	1.7	1.6	3.4								11.6	14.4
15, Less than 20	66.2	64.3	68.0	71.2	73.6								343.3	254.2
20 & Coarser	5.0	4.5	5.8	4.9	4.8								25.0	24.3
Total Domestic Shipments	83.1	79.2	83.9	87.0	89.1								422.3	332.2
Domestic Shipments also Divided as														
Carpet	77.6	73.6	79.0	81.9	84.3								396.4	307.1
Other	5.5	5.6	4.9	5.1	4.8								25.9	25.1
Export	1.0	2.0	2.3	1.7	2.0								9.0	5.9
TOTAL SHIPMENTS	**84.1**	**81.2**	**86.2**	**88.7**	**91.1**								**431.3**	**338.1**
ENDING STOCK	**59.3**	**53.8**	**58.7**	**57.7**	**56.4**								**56.4**	**88.0**
ACRYLIC+MODACRYLIC														
PRODUCTION - TOTAL	**51.2**	**50.4**	**54.1**	**53.5**	**53.8**								**263.0**	**250.3**
Domestic Shipments by Denier														
Less than 4	33.1	35.2	39.1	37.4	36.0								180.8	168.1
4, Less than 10 and 10 & Coarser	10.9	10.2	10.9	10.0	8.9								50.9	52.5
Total Domestic Shipments	44.0	45.4	50.0	47.4	44.9								231.7	220.6
Export	5.2	5.3	4.2	3.8	7.4								25.9	40.7
TOTAL SHIPMENTS	**49.2**	**50.7**	**54.2**	**51.2**	**52.3**								**257.6**	**261.3**
ENDING STOCK	**68.2**	**67.9**	**67.8**	**70.1**	**71.6**								**71.6**	**53.4**
POLYESTER														
PRODUCTION - TOTAL	***198.9**	***184.0**	***198.1**	***195.2**	**202.7**								**978.9**	**884.9**
Domestic Shipments by Denier														
Fiberfill	27.3	29.9	31.7	27.1	27.3								143.3	118.5
Less than 1.3	*47.2	*47.2	*51.6	*50.1	50.7								246.8	202.6
1.3, Less than 2.5	60.9	62.4	*66.8	65.0	64.8								319.9	371.4
2.5, Less than 5.5	*10.3	9.9	11.3	*12.3	11.1								54.9	53.6
5.5, Less than 10	*6.6	*8.2	*6.5	*6.6	5.9								33.8	30.9
10 & Coarser	*16.2	*19.1	*21.3	*18.5	20.0								95.1	70.8
Total Domestic Shipments	*168.5	*176.7	*189.2	*179.6	179.8								893.8	847.8
Domestic Shipments also Divided as														
Carpet	*13.1	*15.9	*17.8	*16.3	17.0								80.1	58.1
Other	*155.4	*160.8	*171.4	*163.3	162.8								813.7	789.7
Export	16.3	15.5	16.4	15.5	13.6								77.3	41.7
TOTAL SHIPMENTS	***184.8**	***192.2**	***205.6**	***195.1**	**193.4**								**971.1**	**889.5**
ENDING STOCK	**178.0**	**169.8**	**162.3**	**162.4**	**171.7**								**171.7**	**150.4**
OLEFIN & VINYON[e]														
PRODUCTION	**28.0**	**27.2**	***30.3**	***30.4**	**30.5**								**146.4**	**135.6**
SHIPMENTS	**28.2**	**27.9**	***31.9**	**31.1**	**30.0**								**149.1**	**135.6**
ENDING STOCK	**33.3**	**32.6**	***31.0**	**30.3**	**30.8**								**30.8**	**29.7**
TOTAL ABOVE														
PRODUCTION	***358.7**	***337.3**	***373.6**	***366.8**	**376.8**								**1813.2**	**1634.2**
SHIPMENTS	***346.3**	***352.0**	***377.9**	***366.1**	**366.8**								**1809.1**	**1624.5**
ENDING STOCK	**338.8**	**324.1**	***319.8**	**320.5**	**330.5**								**330.5**	**321.5**

---

*. Revisions in the previous month.

a. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

b. Low denier industrial is finer than 500 denier with an Instron tenacity over 5.5 grams per denier.

c. Does not include saran or spandex.

d. Low denier industrial nylon and polyester included with Textile.

e. 1987 data excludes vinyon.

CELLULOSIC YARN & STAPLE+TOW
PRODUCTION, SHIPMENTS & STOCK
MONTHLY 1987
MILLION POUNDS

	1987												YEAR TO DATE	
ITEM	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1987	1986
	YARN+MONOFILAMENTS													
CELLULOSIC YARN														
PRODUCTION	17.7	14.0	14.5	14.9	15.6								76.7	91.5
SHIPMENTS-Domestic	12.8	12.3	14.1	14.5	14.3								68.0	83.3
-Export	1.8	1.4	1.8	2.0	1.8								8.8	8.3
-TOTAL	14.6	13.7	15.9	16.5	16.1								76.8	91.6
ENDING STOCK	17.9	18.2	16.8	15.2	14.7								14.7	12.2

INCLUDES ACETATE AND RAYON YARN+MONOFILAMENT.

	STAPLE+TOW													
RAYON														
PRODUCTION	36.0	31.5	33.8	34.1	32.8								168.2	161.4
SHIPMENTS-Domestic	31.2	27.7	32.9	31.2	29.2								152.2	154.9
-Export	2.9	2.0	3.2	2.0	2.4								12.5	10.6
-TOTAL	34.1	29.7	36.1	33.2	31.6								164.7	165.5
ENDING STOCK	24.3	26.1	23.8	24.7	25.9								25.9	18.4

ESTIMATED U.S. MILL CONSUMPTION
MILLION POUNDS

	1987												YEAR TO DATE	
ITEM	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1987	1986
CELLULOSIC														
YARN	14	13	15	15									57	72
STAPLE	33	30	36	34									133	132
TOTAL CELLULOSIC	**47**	**43**	**51**	**49**									**190**	**204**
NONCELLULOSIC														
YARN	315	314	333	327									1289	1220
STAPLE	357	360	389	375									1481	1333
TOTAL NONCELLULOSIC	**672**	**674**	**722**	**702**									**2770**	**2553**
TOTAL MAN-MADE FIBERS [a]	**719**	**717**	**773**	**751**									**2960**	**2757**
COTTON	302	282	341	312									1237	1064
WOOL	15	14	16	15									60	56
TOTAL FIBER	**1036**	**1013**	**1130**	**1078**									**4257**	**3877**
% OF MILL CONSUMPTION														
MAN-MADE FIBERS	*69*	*71*	*68*	*70*									*70*	*71*
COTTON	*29*	*28*	*30*	*29*									*29*	*27*
WOOL	*2*	*1*	*2*	*1*									*1*	*2*

[a] Excludes textile glass fiber, acetate cigarette tow and Aramid.

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MAN-MADE FIBER, COTTON & WOOL END USE SURVEY

HIGHLIGHTS

- Annual Man-Made Fiber, Cotton and Wool End Use Survey
- Man-Made Fiber & Semimanufactured Imports 1980-1986 . . . see page 209.
- First Seven Months U.S. Imports of Man-Made Fiber up 4.0% . . . see page 222.
- First Seven Months U.S. Exports of Man-Made Fiber up 7.6% . . . see page 223.

This month's issue of the ***Textile Organon*** contains our annual report of U.S. man-made, cotton and wool fiber consumption by end use. This report is part of a continuing series covering fiber end use for the 38 years 1949-1986.

The objective of this survey is to measure the amount of raw man-made, cotton and wool fiber required to produce the various end use items. Many other fibers such as silk, linen, jute and sisal are used in the various products covered by the survey, but no poundage data for these fibers are included in the end usages.

Comparability With Past Data

Every year we report the most up-to-date information on fiber end use, which means previous data must sometimes be revised. Data in a series which has been revised will be denoted by an "r". Changes in definitions or coverage in an end use item will be noted in the definitions.

For example, data on glass fiber are no longer available to prevent disclosure of company-level data. These data were last reported in the September 1985 issue. This year, there are new definitions for waste, apparel, home furnishings and industrial and other consumer-type items.

The data in this survey may be used in conjunction with earlier issues of the ***Textile Organon*** as follows:

Years	*Textile Organon Issues*
1949-1955	November 1961
1956-1959	January 1966
1960-1963	January 1970
1964-1965	November 1971
1966-1967	November 1973
1968-1969	November 1975
1970	November 1976
1971-1972	November & December 1978
1973	November 1980
1974	November 1981
1975	November 1982
1976	November 1983
1977	September 1984
1978	September 1985
1979	September 1986

Continued On Page 206

TABLE 1:
U.S. FIBER CONSUMPTION BY END USE [a]

END USE	TOTAL FIBER								MAN-MADE FIBER							
	MILLION POUNDS				% OF TOTAL END USE [b]				MILLION POUNDS				% OF TOTAL END USE [b]			
	1983	1984	1985	1986	1983	1984	1985	1986	1983	1984	1985	1986	1983	1984	1985	1986
APPAREL	4565	4389	4318	4920	*41*	*39*	*37*	*39*	2766	2500	2375	2637	*34*	*31*	*29*	*30*
HOME FURNISHINGS	1730	1837	1864	1919	*15*	*16*	*16*	*15*	913	953	953	889	*12*	*12*	*12*	*10*
FLOOR COVERINGS	2207	2287	2568	2803	*19*	*20*	*22*	*22*	2180	2259	2538	2767	*27*	*28*	*31*	*32*
INDUSTRIAL & OTHER CONS. - TYPE PROD	2434	2505	2454	2614	*22*	*22*	*21*	*21*	2038	2108	2080	2238	*25*	*26*	*26*	*25*
EXPORTS	284	280	328	384	*3*	*3*	*4*	*3*	186	191	210	232	*2*	*3*	*2*	*3*
TOTAL END USE	**11220**	**11298**	**11532**	**12640**	*100*	*100*	*100*	*100*	**8083**	**8011**	**8156**	**8763**	*100*	*100*	*100*	*100*

All data are drawn from the U.S. End Use Summary table on page 207.

NOTE: Data on Glass Fiber is no longer available due to company disclosure. The series, including Glass Fiber was last published in the September 1985 issue.

a. Includes domestic shipments, fiber, yarn, fabric imports and waste.

b. The percentages in these columns show the usage of each type of fiber by its major end use categories. They add to 100% vertically in each case.

Textile Organon

A Monthly Review

SEPTEMBER 1987

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DATAGRAM

U.S. Fiber Consumption by End Use

In 1986, total end use fiber consumption was 12,640 million pounds, up 9.6% from 11,532 million pounds in 1985. All major categories increased from a year ago, including apparel, up 13.9% to 4,920 million pounds, home furnishings, up 3.0% to 1,919 million pounds, floor coverings, up 9.2% to 2,803 million pounds, industrial & other consumer- type products, up 6.5% to 2,614 million pounds and exports, up 17.1% to 384 million pounds.

1986 total fiber consumption breaks down by fiber type as follows: man-made, 8,763 million pounds, up 7.4% from the 1985 level; cotton, 3,661 million pounds, up 15.1%; and wool, 216 million pounds, up 11.3%. (See Table 2)

(In this survey, end use is a measure of raw fiber required to produce a particular end use item. It does not include finished product imports such as apparel, blankets, tablecloths and rugs.)

Fiber Producer Shipments Improve in August While Inventories Decline

Shipments of noncellulosic yarn+monofilaments totaled 339.8 million pounds in August, up 5.0% from 323.7 million pounds in July. On a year-to-date basis through August, shipments were 6.3% greater than in the corresponding 1986 period (2,652.1 mm lbs vs. 2,494.0 mm lbs.)

August shipments of noncellulosic staple+tow at 352.7 million pounds were 4.5% above the prior month's shipments of 337.6 million pounds, while January-August 1987 shipments of 2,861.6 million pounds gained 10.3% from a year ago.

All man-made fiber inventories ending August were down. Noncellulosic yarn+monofilaments stocks totaled 290.5 million pounds, off 3.8% from July, while noncellulosic staple+tow stocks were down 3.4% to 345.1 million pounds. (See Table 16)

Man-Made Fiber Imports & Exports

Total man-made fiber imports were 30.5 million pounds in July, down 1.9% from June. For the first seven months of 1987, man-made fiber imports posted a slight gain from the prior year, up 4.0% to 226.9 million pounds. Continued strength was noted in imports of textured polyester. Through July 1987, these imports totaled 9.1 million pounds, up 28.2% from January-July 1986 imports. Polyester staple imports also continued to be strong, up 86.4% from the corresponding seven months period last year. (See Table 12)

Some of the major suppliers of noncellulosic man-made fiber imports in the January-July 1987 period were as follows:

Country of Origin	Noncellulosic Yarn MM LBS	Country of Origin	Noncellulosic Staple & Tow MM LBS
Germany, Fed. Rep.	14.2	Canada	19.1
Mexico	12.0	Germany, Fed. Rep.	16.1
Canada	10.5	Japan	13.8
Italy	7.6	Taiwan	13.2
Belgium	6.1	Mexico	12.0
Total Above	**50.4**	**Total Above**	**74.2**

The countries listed above represent 69% of noncellulosic yarn imports and 67% of noncellulosic staple+tow imports. (See Table 11)

Total man-made fiber exports were 57.7 million pounds in July, down 15.3% from June. In the January-July 1987 period, man-made fiber exports posted a slight gain from the prior year, up 7.6% to 437.8 million pounds. (See Table 13)

Continued From Front Page

SURVEY COVERAGE

Table Presentation

End use data are presented by type of fiber, man-made, cotton and wool; by type of end use product; and by exports of domestic semimanufactured products. All data are in millions of pounds.

Table 1 shows both total and man-made fiber consumption by end use for the years 1983, 1984, 1985 and 1986. In addition to the pounds of fiber consumed, the percentage of total end use is reported for five categories: apparel, home furnishings, floor coverings, industrial and other consumer-type products and exports.

Table 2 presents greater fiber and annual detail than Table 1. Percentage distributions are given for both total end use and for individual end uses.

Tables 3, 4 & 5 will be discussed below under the heading "End Use Versus Available Supply."

Tables 6 through 10 give further detail on each of the five end uses reported in Table 2, covering the same seven year period 1980-1986. The major changes in Tables 6-10 this year are: (1) Item 55 "Retail Piece Goods" are now distributed between "Topweight Fabrics" and "Bottomweight Fabrics" (Table 6). (2) Home Furnishings (Table 7) no longer include any floor covering information. (3) Fiber used in floor coverings is reported in a separate table (Table 8).

The substantial imports of finished products, such as apparel, blankets, tablecloths and rugs are not included in this survey as they are not manufactured in domestic mills.

Fibers Covered

The man-made fiber data are presented in two general categories. Cellulosic, which includes rayon and acetate, and Noncellulosic, which includes nylon, polyester, acrylic and olefin. Textile glass fiber is no longer included. See footnote (b) under General Notes on page 217 for additional descriptions. The cotton end use data cover raw cotton. Cotton waste and cotton linters quantities are excluded, except when pertaining to waste. See the section describing waste fiber coverage for further explanation. Wool data cover both virgin and reprocessed and reused wool.

The man-made fiber data are based on producers' domestic shipments plus imports of fiber, yarn and semimanufactured products. For cotton, the data of the National Cotton Council, primarily from its publication "Cotton Counts Its Customers", and for wool, the Wool Bureau and government data as well as estimates from other trade sources were employed.

SURVEY WASTE FIBER COVERAGE

In the survey, textile fiber waste is handled in three different ways: First, end uses which employ waste fiber, either wholly or in part without preliminary processing are not included (e.g., furniture stuffing, mattress felts, punched or needled felts for carpet & rug underlays, pressed wool felts and some nonwoven fabrics).

Second, for certain end uses which utilize both new fiber and the fiber derived from processed waste, the quantities shown have been calculated so as to exclude the waste component inasmuch as possible.

And third, waste which has been processed into usable spinnable fiber is included in the quantities shown for Blankets (Item 46), Carpets & Rugs (Item 50) and a number of other applications. It is important to note that in products such as these, fiber derived from waste by preliminary processing, especially for the man-made fiber quantities, is a significant and measured part of the total end use.

END USE VERSUS AVAILABLE SUPPLY

Available Supply (mill consumption plus semimanufactured imports) is compared with End Use Consumption, in Table 4 on page 208. There are several reasons for the differences between these two series, many of which are related to the specific fibers.

COTTON: The National Cotton Council reports that there are two principal reasons why end use consumption is below available supply: (1) many small end uses are not included in the survey and (2) estimates of materials consumed are based on "typical" cotton yarns and fabrics, not on the actual weights of every type of yarn and fabric consumed in the various end uses.

Timing and inventory changes also play a significant role. For example, some raw cotton correctly reported as "consumed" by the Census Bureau in a calendar year is not actually incorporated into end products until the next year because of time lags and inventory fluctuations involved in moving from raw fiber in the bale to a finished garment or other textile product. Similarly, an indeterminate amount of cotton consumed in any year may not be embodied in finished products until the following year.

As noted, the cotton series presented in this survey are mainly those of the National Cotton Council as published in its annual survey "Cotton Counts Its Customers" (1987 and earlier editions).

WOOL: Blends of wool with other fibers are common in many end uses, but little information is available on the fiber composition of these blends. Thus, relatively reliable measures are available mainly on the wool poundages used in Home Furnishings (blankets and carpets) and such Apparel items as Craft Yarns.

These quantities were deducted from the Available Supply in Table 3, page 208, and residual quantities were then attributed to Apparel Usage in individual apparel items from the years 1980-1986. This was calculated by correlating the data of Census reports MA-23A and MQ-22T on Apparel and Broad Woven Goods, respectively.

Continued On Page 207

TABLE 2:
U.S. END USE SUMMARY EXCLUDING GLASS FIBER
MILLION POUNDS & *PERCENT*

END USE & YEAR	GRAND TOTAL			COTTON			WOOL			MAN-MADE FIBERS			MAN-MADE FIBER DETAIL									
													CELLULOSIC					NONCELLULOSIC				
													TOTAL			YARN LBS	STAPLE LBS	TOTAL			YARN LBS	STAPLE LBS
	LBS	$\%^a$	$\%^b$	LBS	$\%^a$	$\%^b$	LBS	$\%^a$	$\%^b$	LBS	$\%^a$	$\%^b$	LBS	$\%^a$	$\%^b$			LBS	$\%^a$	$\%^b$		
APPAREL																						
1980	4696	100	41.9	1652	35.2	52.9	125	2.7	74.9	2919	62.1	36.9	297	6.3	39.7	220	77	2622	55.8	36.6	1306	1316
1981	4431	100	41.0	1595	36.0	54.8	149	3.4	76.4	2687	60.6	34.9	311	7.0	42.9	194	117	2376	53.6	34.0	1181	1195
1982	4027	100	41.8	1557	38.6	57.2	127	3.2	74.7	2343	58.2	34.7	213	5.3	40.0	142	71	2130	52.9	34.3	986	1144
1983	4565	100	40.7	1646	36.1	56.1	153	3.4	75.0	2766	60.6	34.2	228	5.0	39.6	154	74	2538	55.5	33.8	1173	1365
1984	4389	100	38.8	1718	39.1	56.2	171	3.9	74.0	2500	57.0	31.2	239	5.5	41.4	153	86	2261	51.5	30.4	1117	1144
1985	4318	100	37.4	1802	41.7	56.6	141	3.3	72.7	2375	55.0	29.1	208	4.8	38.4	141	67	2167	50.2	28.5	1086	1081
1986	4920	100	38.9	2125	43.2	58.0	158	3.2	73.1	2637	53.6	30.1	250	5.1	41.3	151	99	2387	48.5	29.3	1039	1348
HOME FURNISHINGS																						
1980	1717	100	15.3	787	45.8	25.2	15	0.9	9.0	915	53.3	11.6	169	9.9	22.6	47	122	746	43.4	10.4	175	571
1981	1672	100	15.5	733	43.8	25.2	17	1.0	8.7	922	55.2	12.0	155	9.3	21.4	36	119	767	45.9	11.0	186	581
1982	1425	100	14.8	665	46.7	24.4	16	1.1	9.4	744	52.2	11.0	104	7.3	19.5	26	78	640	44.9	10.2	170	470
1983	1730	100	15.4	798	46.1	27.2	19	1.1	9.2	913	52.8	11.3	134	7.7	23.2	28	106	779	45.1	10.4	241	538
1984	1837	100	16.3	863	47.0	28.2	21	1.1	9.1	953	51.9	11.9	134	7.3	23.2	28	106	819	44.6	11.0	245	574
1985	1864	100	16.2	893	47.9	28.1	18	1.0	9.3	953	51.1	11.7	125	6.7	23.0	18	107	828	44.4	10.9	281	547
1986	1919	100	15.2	1012	52.8	27.6	18	0.9	8.3	889	46.3	10.1	131	6.8	21.6	17	114	758	39.5	9.3	234	524
FLOOR COVERINGS																						
1980	1926	100	17.2	15	0.8	0.5	10	0.5	6.0	1901	98.7	24.0	+	0	0	0	+	1901	98.7	26.5	1002	899
1981	1838	100	17.0	12	0.7	0.4	12	0.6	6.2	1814	98.7	23.5	1	0.1	0.1	0	1	1813	98.6	26.0	918	895
1982	1711	100	17.7	10	0.6	0.4	11	0.6	6.5	1690	98.8	25.0	1	0.1	0.2	0	1	1689	98.7	27.2	834	855
1983	2207	100	19.7	14	0.6	0.5	13	0.6	6.4	2180	98.8	27.0	1	0.1	0.2	0	1	2179	98.7	29.0	1064	1115
1984	2287	100	20.2	14	0.6	0.5	14	0.6	6.1	2259	98.8	28.2	1	0.1	0.2	0	1	2258	98.7	30.4	1162	1096
1985	2568	100	22.3	18	0.7	0.6	12	0.5	6.2	2538	98.8	31.1	1	0	0.2	0	1	2537	98.8	33.3	1399	1138
1986	2803	100	22.2	20	0.7	0.6	16	0.6	7.4	2767	98.7	31.6	2	0.1	0.3	0	2	2765	98.6	33.9	1535	1230
INDUSTRIAL & OTHER CONSUMER-TYPE PRODUCTS																						
1980	2249	100	20.1	412	18.3	13.2	11	0.5	6.5	1826	81.2	23.1	251	11.2	33.6	42	209	1575	70.0	22.0	943	632
1981	2381	100	22.0	404	17.0	13.9	12	0.5	6.2	1965	82.5	25.5	230	9.7	31.7	41	189	1735	72.8	24.8	1058	677
1982	2141	100	22.2	377	17.6	13.8	10	0.5	5.9	1754	81.9	26.0	195	9.1	36.7	30	165	1559	72.8	25.1	920	639
1983	2434	100	21.7	382	15.7	13.0	14	0.6	6.9	2038	83.7	25.2	196	8.1	34.0	23	173	1842	75.6	24.5	987	855
1984	2505	100	22.2	376	15.0	12.3	21	0.8	9.1	2108	84.2	26.3	187	7.5	32.4	28	159	1921	76.7	25.8	998	923
1985	2454	100	21.3	361	14.7	11.3	13	0.5	6.7	2080	84.8	25.5	192	7.9	35.4	30	162	1888	76.9	24.8	969	919
1986	2614	100	20.7	361	13.8	9.9	15	0.6	6.9	2238	85.6	25.5	204	7.8	33.7	28	176	2034	77.8	24.9	1107	927
EXPORTS OF DOMESTIC PRODUCTS																						
1980	617	100	5.5	259	42.0	8.2	6	1.0	3.6	352	57.0	4.4	31	5.0	4.1	20	11	321	52.0	4.5	141	180
1981	490	100	4.5	166	33.9	5.7	5	1.0	2.5	319	65.1	4.1	28	5.7	3.9	17	11	291	59.4	4.2	121	170
1982	339	100	3.5	115	33.9	4.2	6	1.8	3.5	218	64.3	3.3	19	5.6	3.6	12	7	199	58.7	3.2	83	116
1983	284	100	2.5	93	32.7	3.2	5	1.8	2.5	186	65.5	2.3	17	6.0	3.0	11	6	169	59.5	2.3	70	99
1984	280	100	2.5	85	30.4	2.8	4	1.4	1.7	191	68.2	2.4	16	5.7	2.8	10	6	175	62.5	2.4	73	102
1985	328	100	2.8	108	32.9	3.4	10	3.0	5.1	210	64.1	2.6	16	4.9	3.0	9	7	194	59.1	2.5	76	118
1986	384	100	3.0	143	37.3	3.9	9	2.3	4.3	232	60.4	2.7	19	4.9	3.1	11	8	213	55.5	2.6	88	125
TOTAL END USE																						
1980	11205	100	100	3125	27.9	100	167	1.5	100	7913	70.6	100	748	6.7	100	329	419	7165	63.9	100	3567	3598
1981	10812	100	100	2910	26.9	100	195	1.8	100	7707	71.3	100	725	6.7	100	288	437	6982	64.6	100	3464	3518
1982	9643	100	100	2724	28.2	100	170	1.8	100	6749	70.0	100	532	5.5	100	210	322	6217	64.5	100	2993	3224
1983	11220	100	100	2933	26.1	100	204	1.8	100	8083	72.1	100	576	5.2	100	216	360	7507	66.9	100	3535	3972
1984	11298	100	100	3056	27.1	100	231	2.0	100	8011	70.9	100	577	5.1	100	219	358	7434	65.8	100	3595	3839
1985	11532	100	100	3182	27.6	100	194	1.7	100	8156	70.7	100	542	4.7	100	198	344	7614	66.0	100	3811	3803
1986	12640	100	100	3661	29.0	100	216	1.7	100	8763	69.3	100	606	4.8	100	207	399	8157	64.5	100	4003	4154

NOTE: Data on Glass Fiber is no longer available due to company disclosure. The series, including Glass Fiber was last published in the September 1985 issue.

a. The percentages in these columns show the share of each fiber in the specified end use each year. They add horizontally to the 100% shown in each of the Grand Total columns.

b. The percentages in these columns show the usage of each type of fiber by it major end use categories. They add vertically to the 100% shown under Total End Use Consumption.

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MAN-MADE FIBERS: As will be seen, there is relatively good correlation between End Use Consumption and Available Supply.

The fluctuations of producers' domestic shipments, as well as imports, from year to year are significant. In years when there is a large increase in domestic shipments plus imports of fiber (Available Supply), it is probable that some of the increase went into mill and manufactures' inventories rather than directly into end uses. Both warehouse inventories of yarn and staple and goods-in-process inventories would be involved. For example, it is likely that some of the large increase in the Availabel Supply between 1982-1983 was absorbed in inventories at various stages of the production process. In a period when Available Supply falls sharply (1981-1982, for instance) the movement is reversed. In a period of slower activity, mills and manufactures reduce their warehouse inventories and work-in-process to reflect the lower level of activity.

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TABLE 3:
END USE CONSUMPTION INCLUDING SEMIMANUFACTURED IMPORTS
MILLION POUNDS

	MAN-MADE FIBERS								COTTON			WOOL					
	MILL CONSUMPTION[a]																
	CELLULOSIC			NONCELLULOSIC													
YEAR	YARN	STAPLE[b]	TOTAL	YARN	STAPLE[b]	TOTAL	IMPORTS[c]	TOTAL	MILL CONS.[a]	IMPORTS[d]	TOTAL	MILL CONS.[a]	REPRO-CESSED & REUSED[e]	COTTON SYSTEM[e]	IMPORTS[d]	TOTAL	AVAIL-ABLE SUPPLY
1980	325.0	415.7	740.7	3551.6	3593.4	7145.0	111.6	7997.3	3064.4	277.8	3342.2	137.8	10.5	3.8	25.3	177.4	11516.9
1981	283.6	430.7	714.3	3502.0	3505.2	7007.2	141.1	7862.6	2730.8	374.4	3105.2	152.7	8.3	3.2	32.8	197.0	11164.8
1982	206.1	316.0	522.1	2917.7	3213.7	6131.4	143.9	6797.4	2478.9	295.0	2773.9	129.5	5.7	3.0	33.3	171.5	9742.8
1983	241.8	356.8	598.6	3433.7	3962.2	7395.9	196.0	8190.5	2795.7	388.4	3184.1	162.5	8.1	3.3	35.7	209.6	11584.2
1984	228.3	359.6	587.9	3398.6	3803.0	7201.6	242.4	8031.9	2668.2	505.4	3173.6	163.2	7.6	5.5	55.3	231.6	11437.1
1985	201.0	344.6	545.6	3663.8	3826.1	7489.9	295.2	8330.7	2796.0	493.5	3289.5	134.7	5.3	4.2	51.3	195.5	11815.7
1986	209.1	399.2	608.3	3747.3	4098.4	7845.7	341.4	8795.4	3297.5	638.8	3936.3	164.5	9.5	4.1	40.1	218.2	12949.9

NOTE: Data on Glass Fiber is no longer available due to company disclosure. The series, including Glass Fiber was last published in the September 1985 issue.

a. Mill Consumption is taken from page 75 of the 1987 April *Organon* plus subsequent revisions.

b. Man-made staple includes waste.

c. Imports are taken from page 209 of this issue.

d. Imports of Cotton and Wool are taken from page 192 of the August 1987 *Organon* issue.

e. These volumes of reprocessed and reused wool, as well as wool consumed on the cotton spinning system, are not included in the mill consumption series for wool (see page 36 of the February 1970 *Organon*). However, they are considered here as part of the available supply of wool as shown in the table below.

TABLE 4:
END USE VERSUS AVAILABLE SUPPLY - COMPARISON OF TABLE 2 TO TABLE 3
MILLION POUNDS & *PERCENT*

	1980			1981			1982			1983			1984			1985			1986		
	AVAIL-ABLE[a]	END USE[b]	%[c]	AVAIL-ABLE[a]	END USE[b]	%[c]	AVAIL-ABLE[a]	END USE[b]	%[c]	AVAIL-ABLE[a]	END USE[b]	%[c]	AVAIL-ABLE[a]	END USE[b]	%[c]	AVAIL-ABLE[a]	END USE[b]	%[c]	AVAIL-ABLE[a]	END USE[b]	%[c]
COTTON	3342	3125	*93.5*	3105	2910	*93.7*	2774	2724	*98.2*	3184	2933	*92.1*	3174	3056	*96.3*	3290	3182	*96.7*	3936	3661	*93.0*
WOOL	177	167	*94.4*	197	195	*99.0*	171	170	*99.4*	210	204	*97.1*	232	231	*99.6*	196	194	*99.0*	218	216	*99.1*
TOTAL COTTON & WOOL	**3519**	**3292**	***93.5***	**3302**	**3105**	***94.0***	**2945**	**2894**	***98.3***	**3394**	**3137**	***92.4***	**3406**	**3287**	***96.5***	**3486**	**3376**	***96.8***	**4154**	**3877**	***93.3***
CELL. - YARN[d]	329	329	*100.0*	289	288	*99.7*	212	210	*99.1*	242	216	*89.3*	228	219	*96.1*	201	198	*98.5*	209	207	*99.0*
- STAPLE[e]	421	419	*99.5*	437	437	*100.0*	322	322	*100.0*	360	360	*100.0*	360	358	*99.4*	345	344	*99.7*	399	399	*100.0*
NONCELL. - YARN[d]	3640	3567	*98.0*	3618	3464	*95.7*	3034	2993	*98.6*	3591	3535	*98.4*	3595	3595	*100.0*	3914	3811	*97.4*	4024	4003	*99.5*
- STAPLE[e]	3608	3598	*99.7*	3519	3518	*99.9*	3230	3224	*99.8*	3997	3972	*99.4*	3848	3839	*99.8*	3870	3803	*98.3*	4163	4154	*99.8*
TOTAL MAN-MADE FIBER	**7998**	**7913**	***98.9***	**7863**	**7707**	***98.0***	**6798**	**6749**	***99.3***	**8190**	**8083**	***98.7***	**8031**	**8011**	***99.8***	**8330**	**8156**	***97.9***	**8795**	**8763**	***99.6***
TOTAL FIBERS	**11517**	**11205**	***97.3***	**11165**	**10812**	***96.8***	**9743**	**9643**	***99.0***	**11584**	**11220**	***96.9***	**11437**	**11298**	***98.8***	**11816**	**11532**	***97.6***	**12949**	**12640**	***97.6***

NOTE: Data on Glass Fiber is no longer available due to company disclosure. The series, including Glass Fiber was last published in the September 1985 issue.

a. Mill consumption plus the imports of semimanufactured products - from the table above.

b. End use from the summary table on page 207.

c. End use as a percentage of Available.

d. Includes monofilaments.

e. Includes tow, fiberfill and waste.

TABLE 5:
MAN-MADE FIBER & SEMIMANUFACTURED IMPORTS
MILLION POUNDS

	1980	1981	1982	1983	1984	1985	1986
CELLULOSIC FIBERS							
YARN	8.3	10.7	7.0	8.7	10.0	13.9	17.0
STAPLE	10.3	16.8	13.4	13.5	17.0	12.3	17.4
WASTE	0.3	0.5	0.4	0.3	0.5	0.5	0.1
NONCELLULOSIC FIBERS							
YARN - SINGLES							
NYLON - TEXTURED	3.2	3.8	4.7	5.1	18.0	32.4	36.7
- OTHER	3.6	4.0	5.5	14.8	30.2	18.4	22.5
POLYESTER - TEXTURED	0.3	0.8	0.5	2.2	10.8	16.6	14.6
- OTHER	6.7	5.4	5.3	13.6	15.7	16.7	22.5
OTHER - TEXTURED	0.2	0.5	4.4	7.7	8.9	14.7	20.5
- OTHER	1.4	1.6	1.6	2.7	2.5	2.5	5.1
MONOFILAMENTS	4.0	2.6	1.5	1.7	2.9	2.1	2.7
STRIPS, OVER $1/LB	0.2	0.2	0.3	0.6	1.0	1.2	1.5
SUBTOTAL ABOVE	**19.6**	**18.9**	**23.8**	**48.4**	**90.0**	**104.6**	**126.1**
STAPLE[a] - NYLON	2.7	25.7	19.1	46.8	61.4	68.1	90.5
- POLYESTER	1.5	7.0	7.3	23.6	30.0	31.8	43.1
- ACRYLIC	15.9	13.9	12.3	20.3	20.4	25.1	30.5
- OLEFIN	0.1	1.1	0.6	1.1	2.2	5.7	1.9
- OTHER	15.3	12.7	11.8	9.7	17.1	28.7	16.8
SUBTOTAL ABOVE	**35.5**	**60.4**	**51.1**	**101.5**	**131.1**	**159.4**	**182.8**
WASTE, NOT ADVANCED - NYLON	11.7	25.3	22.2	26.8	31.2	27.2	22.4
- POLYESTER	6.0	18.1	11.2	13.0	8.0	7.1	6.3
- ACRYLIC	2.4	2.9	0.9	0.3	0.3	0.3	0.3
- OTHER	1.0	3.0	2.5	2.7	4.0	2.1	8.4
NOILS & GARNETTED FIBERS	+	0.1	0.1	0.2	0.4	0.2	0.2
OTHER WASTE, ADVANCED	0.6	0.6	0.9	3.1	6.7	3.8	2.7
SUBTOTAL ABOVE	**21.7**	**50[illegible]**	**37.8**	**46.1**	**50.6**	**40.7**	**40.3**
TOTAL FIBER ABOVE[b]	**95.7**	**157.3**	**133.5**	**218.5**	**299.2**	**331.4**	**383.7**
SEMIMANUFACTURES							
SLIVER, TOPS & ROVING	2.8	3.7	2.7	4.9	4.7	2.1	3.4
YARNS, THROWN OR PLIED	2.2	4.8	6.7	10.6	15.4	23.7	23.6
SPUN YARNS	22.9	23.5	26.5	39.0	46.3	45.4	64.6
SEWING THREAD & HANDWORK YARN	2.3	2.8	2.3	3.4	5.7	9.7	4.8
WOVEN FABRICS	67.3	95.4	93.3	123.2	154.9	186.2	207.2
NARROW FABRICS	8.1	8.7	10.1	12.7	12.4	18.4	25.3
KNIT FABRIC	6.0	2.2	2.3	2.2	3.0	9.7	12.5
SUBTOTAL ABOVE	**111.6**	**141.1**	**143.9**	**196.0**	**242.4**	**295.2**	**341.4**
TEXTILE GLASS FIBER	7.3	18.2	14.1	20.0	23.1	34.7	24.4
TOTAL SEMIMANUFACTURES ABOVE[c]	**118.9**	**159.3**	**158.0**	**216.0**	**265.5**	**329.9**	**365.8**
GRAND TOTAL ABOVE	**214.6**	**316.6**	**291.5**	**434.5**	**564.7**	**661.3**	**749.5**

a. Includes grouped filaments.
b. **SOURCE:** U.S. Bureau of the Census.
c. **SOURCE:** U.S. Department of Agriculture, *Cotton and Wool Outlook Situation.*

For imports of fiber, the data are taken from the monthly summaries in each ***Organon.*** A listing of the commodity numbers used may be found on page 222 of this issue under the monthly import table.

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UNIT PRODUCTION VERSUS FIBER CONSUMED

This survey shows the quantity of raw fiber which had to be put into process in order to manufacture end products. No direct comparison can be, or should be, made between the quantities of the fibers consumed, as recorded in the survey, and the finished or "shelf" weight of those end products by fiber. Comparison should be avoided because:

1. The variation in the weight per square yard of fabric made of the different fibers for the same end use. According to recent data collected by the U.S. Census Bureau, cotton fabrics averaged 7.0 square yards per pound and wool 0.6 square yards per pound. But for man-made fiber, 100% filament yarn fabrics averaged 4.4 square yards per pound and spun yarn fabrics averaged 3.3 square yards per pound.

2. From these data, it is apparent that the "covering power" of fabrics made from the various fibers varies a great deal. Hence, a simple comparison of quantities of fibers consumed would be misleading both because of the differences in fibers concerning covering power and the difference in typical fabric weights of products made of the various fibers, as described.

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TABLE 6:
FIBER CONSUMED IN U.S. APPAREL PRODUCTION INCLUDING FIBER, YARN, FABRIC IMPORTS & WASTE

MILLION POUNDS

END USE & YEAR	TOTAL FIBER	MAN-MADE FIBERS					COTTON	WOOL
		TOTAL	CELLULOSIC		NONCELLULOSIC			
			YARN	STAPLE	YARN	STAPLE		
TOTAL APPAREL								
1980	r4696.3	r2919.0	220.2	76.8	1306.2	r1315.8	1651.9	125.4
1981	r4431.0	r2687.5	194.3	117.0	1180.8	r1195.4	1595.0	148.5
1982	r4027.4	r2342.9	141.9	r70.6	986.2	r1144.2	1557.1	127.4
1983	4565.3	2766.3	153.9	73.9	1173.3	1365.2	1646.0	153.0
1984	r4389.2	r2499.9	153.5	86.1	r1116.6	1143.7	r1718.6	170.7
1985	r4318.2	r2374.7	140.7	r66.9	r1086.5	r1080.6	r1801.8	141.7
1986	4920.3	2637.1	150.8	98.9	1039.6	1347.8	2125.3	157.9
40 SHEER HOSIERY (W)*								
1980	70.7	67.8	--	--	67.8	--	2.9	--
1981	76.4	69.9	--	--	69.9	--	6.5	--
1982	71.6	68.5	--	--	68.5	--	3.1	--
1983	80.7	77.2	--	--	77.2	--	3.5	--
1984	86.0	82.6	--	--	82.6	--	3.4	--
1985	r86.4	r83.0	--	--	r83.0	--	3.4	--
1986	90.7	87.2	--	--	87.2	--	3.5	--
19,41 ANKLETS & SOCKS (MW)*								
1980	186.4	151.9	--	0.5	56.9	94.5	32.1	2.4
1981	190.8	149.1	--	0.7	60.3	88.1	38.9	2.8
1982	r173.0	r139.9	--	0.4	51.7	r87.8	30.6	2.5
1983	195.2	152.6	--	0.5	65.0	87.1	39.6	3.0
1984	r190.5	131.5	--	0.5	59.5	71.5	r55.6	3.4
1985	r188.6	r122.7	--	0.4	r56.9	65.4	r63.2	2.7
1986	204.9	127.7	c	0.4	57.3	70.0	73.4	3.8
8,29 SWEATERS & RELATED ACCESSORIES								
1980	137.9	116.4	--	0.7	12.6	103.1	7.9	13.6
1981	140.0	113.8	--	0.6	0.9	112.3	10.1	16.1
1982	119.5	92.7	--	1.0	1.4	90.3	11.8	15.0
1983	142.9	104.8	--	1.2	0.4	103.2	20.1	18.0
1984	r167.4	113.7	--	1.2	0.5	112.0	r33.7	20.0
1985	r186.5	r110.3	--	1.2	0.6	r108.5	r59.4	16.8
1986	259.0	156.7	--	1.5	0.4	154.8	83.3	19.0
57 CRAFT & HANDWORK YARNS*								
1980	126.0	118.7	c	0.2	c	118.5	3.3	4.0
1981	100.6	92.9	--	0.7	c	92.2	3.0	4.7
1982	100.2	91.9	--	0.6	--	91.3	3.8	4.5
1983	106.1	97.4	--	0.1	--	97.3	4.0	4.7
1984	90.9	82.1	--	0.8	--	81.3	3.5	5.3
1985	r92.7	r85.1	--	0.1	0.3	r84.7	r3.3	4.3
1986	91.0	82.4	1.2	0.2	c	81.0	4.6	4.0
16-18 UNDERWEAR & NIGHTWEAR (M)*								
1980	250.9	104.0	c	0.8	26.2	77.0	145.9	1.0
1981	225.5	84.9	--	1.1	20.9	62.9	139.4	1.2
1982	226.0	79.6	--	--	16.3	63.3	145.4	1.0
1983	245.7	96.8	--	--	14.5	82.3	147.9	1.0
1984	r268.9	90.5	--	--	9.9	80.6	r177.4	1.0
1985	r264.0	r83.6	--	--	r8.0	75.6	r179.6	0.8
1986	303.8	108.7	--	--	12.4	96.3	194.9	0.2
35-39 UNDERWEAR, NIGHTWEAR, BRAS AND FOUNDATIONS (W)*								
1980	209.9	169.0	19.7	0.6	117.0	31.7	39.9	1.0
1981	202.4	162.0	18.3	c	111.0	32.7	39.2	1.2
1982	176.7	136.1	10.9	--	89.4	35.8	39.6	1.0
1983	196.6	153.0	12.5	--	105.0	35.5	42.6	1.0
1984	r178.0	130.7	8.6	--	99.9	22.2	r46.3	1.0
1985	r183.2	r136.7	6.8	--	r105.2	24.7	r45.7	0.8
1986	182.9	128.9	8.0	--	94.8	26.1	53.8	0.2
10,31 ROBES & LOUNGEWEAR (MW)*								
1980	145.7	126.3	63.0	0.4	38.0	24.9	17.0	2.4
1981	119.3	102.5	44.6	0.2	33.5	24.2	14.0	2.8
1982	84.3	67.4	34.5	--	23.7	9.2	14.6	2.3
1983	92.5	74.8	39.0	--	22.9	12.9	15.1	2.6
1984	r99.6	79.6	41.5	--	23.7	14.4	r17.1	2.9
1985	r89.7	r70.6	37.2	--	r20.3	r13.1	r16.8	2.3
1986	94.7	73.8	31.2	--	23.5	19.1	18.6	2.3

TABLE 6:
FIBER CONSUMED IN U.S. APPAREL PRODUCTION INCLUDING FIBER, YARN, FABRIC IMPORTS & WASTE (CONTINUED)
MILLION POUNDS

END USE & YEAR	TOTAL FIBER	TOTAL	MAN-MADE FIBERS				COTTON	WOOL
			CELLULOSIC		NONCELLULOSIC			
			YARN	STAPLE	YARN	STAPLE		
54a HIGH PILE FABRICS								
1980	100.4	100.4	- -	0.1	14.3	86.0	- -	- -
1981	78.6	78.6	- -	0.3	13.1	65.2	- -	- -
1982	64.1	64.1	- -	- -	7.0	57.1	- -	- -
1983	73.8	73.8	- -	0.6	15.5	57.7	- -	- -
1984	61.4	61.4	- -	0.3	9.7	51.4	- -	- -
1985	r57.1	r57.1	- -	r- -	6.4	r50.7	- -	- -
1986	59.0	59.0	- -	- -	10.6	48.4	- -	- -
54b FABRICS FOR LINING*								
1980	184.0	125.0	78.0	7.5	17.0	22.5	56.6	2.4
1981	199.0	144.7	92.7	3.4	19.2	29.4	51.5	2.8
1982	146.6	100.6	70.1	1.0	15.7	13.8	43.5	2.5
1983	139.2	99.7	66.7	1.0	24.0	8.0	36.6	2.9
1984	r153.7	109.6	79.8	1.9	21.7	6.2	r40.9	3.2
1985	r148.6	r103.5	74.2	1.5	r17.6	10.2	42.4	2.7
1986	179.4	133.9	98.3	3.6	18.5	13.5	42.7	2.8
43 APPAREL LACE (W)*								
1980	6.7	5.2	- -	- -	5.2	- -	1.5	- -
1981	8.0	6.5	- -	- -	6.5	- -	1.5	- -
1982	8.7	7.2	- -	- -	7.2	- -	1.5	- -
1983	8.4	6.9	- -	- -	6.9	- -	1.5	- -
1984	5.5	4.0	- -	- -	4.0	- -	1.5	- -
1985	6.1	4.6	- -	- -	4.6	- -	1.5	- -
1986	4.3	2.8	- -	- -	2.8	- -	1.5	- -
56a NARROW FABRICS*								
1980	52.8	29.6	7.5	0.3	17.2	4.6	23.2	- -
1981	46.6	21.6	5.2	- -	14.0	2.4	25.0	- -
1982	40.8	17.8	0.9	- -	15.3	1.6	23.0	- -
1983	49.7	24.7	1.7	- -	20.8	2.2	25.0	- -
1984	47.9	21.8	0.7	- -	19.0	2.1	26.1	- -
1985	r46.9	r23.3	1.5	- -	r20.1	1.7	23.6	- -
1986	59.9	35.1	2.1	- -	30.1	2.9	24.8	- -
TOPWEIGHT FABRICS*								
1980	r1149.0	r730.0	r31.5	42.5	301.0	r355.0	415.1	3.9
1981	r1063.7	r644.7	21.2	71.0	236.5	r316.0	414.4	4.6
1982	r994.3	r540.4	15.7	r42.7	163.5	r318.5	450.2	3.7
1983	1143.2	692.2	24.5	40.7	214.5	412.5	446.4	4.6
1984	r1032.5	547.6	18.4	45.7	178.0	305.5	r479.7	5.2
1985	r967.3	496.2	16.5	35.7	173.0	271.0	r467.0	4.1
1986	1167.7	557.1	7.5	52.1	158.5	339.0	607.0	3.6
BOTTOMWEIGHT FABRICS*								
1980	r2003.0	r1069.0	20.5	22.5	631.0	r395.0	839.3	94.7
1981	r1905.3	r1002.8	12.3	32.0	592.5	r366.0	790.2	112.3
1982	r1771.5	r926.7	9.8	21.9	523.5	r371.5	749.9	94.9
1983	r2048.5	r1105.4	9.5	29.8	603.6	462.5	827.9	115.2
1984	r1959.3	r1037.8	4.5	35.7	r605.1	392.5	r792.8	128.7
1985	r1955.5	990.8	4.5	27.8	587.5	371.0	r857.5	107.2
1986	2176.3	1075.2	2.5	40.6	540.1	492.0	979.1	122.0
OTHER APPAREL & ACCESSORIES (MW)*								
1980	72.9	5.7	- -	0.7	2.0	3.0	67.2	c
1981	74.8	13.5	- -	7.0	2.5	4.0	61.3	c
1982	50.1	10.0	- -	3.0	3.0	4.0	40.1	c
1983	42.8	7.0	- -	- -	3.0	4.0	35.8	c
1984	r47.6	7.0	- -	- -	3.0	4.0	r40.6	c
1985	r45.6	r7.2	- -	r0.2	3.0	4.0	r38.4	c
1986	46.7	8.6	- -	0.5	3.4	4.7	38.1	c

Most of the above data are taken from the Textile Economics Bureau's publication ***Man-Made Fiber Producers' Handbook.***

NOTE: Data on Glass Fiber is no longer available due to company disclosure. The series, including Glass Fiber was last published in the September 1985 issue.

For all lettered and general footnotes to this table and the Home Furnishings, Floor Covering and Industrial & Other Consumer-Type Products tables, please see page 217.

TABLE 7:
FIBER CONSUMED IN U.S. HOME FURNISHINGS PRODUCTION INCLUDING FIBER, YARN, FABRIC IMPORTS & WASTE EXCLUDING FLOOR COVERINGS
MILLION POUNDS

		MAN-MADE FIBERS						
			CELLULOSIC		NONCELLULOSIC			
END USE & YEAR	TOTAL FIBER	TOTAL	YARN	STAPLE	YARN	STAPLE	COTTON	WOOL
TOTAL HOME FURNIGHINGS								
1980	1717.5	915.1	47.3	122.2	174.9	570.7	787.0	15.4
1981	1672.0	922.3	35.7	119.2	186.2	581.2	732.5	17.2
1982	1424.9	744.0	26.0	77.7	170.3	470.0	665.4	15.5
1983	1730.3	913.4	27.7	106.3	240.9	538.5	797.8	19.1
1984	r1836.7	952.4	27.5	106.1	244.6	574.2	r863.0	21.3
1985	r1864.3	r953.9	18.5	r107.1	r280.9	r547.4	r892.7	17.7
1986	1918.6	889.3	16.8	113.9	234.2	524.4	1011.4	17.9
45 BEDSREADS & QUILTS*								
1980	128.2	73.0	5.4	2.1	15.5	50.0	55.2	- -
1981	132.3	82.6	4.9	3.1	15.7	58.9	49.7	- -
1982	123.3	76.7	3.8	2.4	14.0	56.5	46.6	- -
1983	140.8	91.4	6.0	6.2	16.0	63.2	49.4	- -
1984	r134.1	81.2	4.0	6.0	15.2	56.0	r52.9	- -
1985	r134.4	r77.2	c	6.0	r17.2	54.0	57.2	- -
1986	141.9	80.0	0.2	6.3	19.1	54.6	61.9	- -
46 BLANKETS & BLANKETING*								
1980	109.1	97.2	- -	2.0	3.5	91.7	7.9	4.0
1981	90.5	78.9	- -	0.9	3.5	74.5	7.1	4.5
1982	79.2	68.0	- -	c	2.5	65.5	7.2	4.0
1983	70.3	57.2	- -	c	1.0	56.2	8.6	4.5
1984	66.8	50.9	- -	0.2	1.0	49.7	10.9	5.0
1985	r73.5	r54.6	- -	0.2	- -	r54.4	r14.8	4.1
1986	72.8	51.1	- -	0.2	- -	50.9	17.4	4.3
47 SHEETS & OTHER BEDDING*								
1980	507.9	263.8	2.3	9.4	25.9	226.2	244.1	- -
1981	512.1	299.5	2.6	13.8	34.0	249.1	212.6	- -
1982	424.5	243.4	3.9	10.6	43.2	185.7	181.1	- -
1983	511.7	299.3	0.5	11.6	79.6	207.6	212.4	- -
1984	r516.3	300.0	0.5	15.0	75.7	208.8	r216.3	- -
1985	r494.3	r269.3	1.5	12.5	r77.7	r177.6	r225.0	- -
1986	502.3	254.8	1.9	12.7	70.1	170.1	247.5	- -
48 TOWELS & TOWELING*								
1980	328.5	35.3	- -	0.9	c	34.4	293.2	- -
1981	326.7	32.6	- -	0.9	0.3	31.4	294.1	- -
1982	306.6	28.7	- -	0.6	0.8	27.3	277.9	- -
1983	379.8	36.0	- -	0.3	1.7	34.0	343.8	- -
1984	r405.9	30.3	- -	0.7	0.6	29.0	r375.6	- -
1985	r391.5	22.3	- -	0.9	0.2	21.2	r369.2	- -
1986	461.7	31.9	- -	0.5	0.2	31.2	429.8	- -
56b NARROW FABRICS*								
1980	5.3	1.4	0.2	0.1	0.6	0.5	3.9	- -
1981	6.1	2.3	- -	- -	0.9	1.4	3.8	- -
1982	5.0	1.8	- -	- -	0.4	1.4	3.2	- -
1983	5.8	2.1	- -	- -	0.3	1.8	3.7	- -
1984	4.3	0.5	- -	- -	c	0.5	3.8	- -
1985	4.8	1.2	- -	- -	1.2	- -	3.6	- -
1986	4.1	0.3	- -	- -	0.2	0.1	3.8	- -

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LIMITATIONS OF THE SURVEY RESULTS

The statistical results of this end use survey should be considered as approximations. These data are best used as a means of comparison to measure the long-term trends among the fibers.

Please note that the data are given in millions of pounds and include one decimal place to show hundred thousand pounds. This device is employed not to show great accuracy, but rather to take into account some small quantities of fibers in such end uses as Apparel Lace and still allow the compilation to add arithmetically.

TABLE 7:
FIBER CONSUMED IN U.S. HOME FURNISHINGS PRODUCTION INCLUDING FIBER, YARN, FABRIC IMPORTS & WASTE EXCLUDING FLOOR COVERINGS (CONTINUED)
MILLION POUNDS

END USE & YEAR	TOTAL FIBER	TOTAL	MAN-MADE FIBERS				COTTON	WOOL
			CELLULOSIC		NONCELLULOSIC			
			YARN	STAPLE	YARN	STAPLE		
*51 CURTAINS**								
1980	89.5	80.1	4.0	7.5	28.4	40.2	9.4	- -
1981	82.2	73.4	5.6	6.8	25.2	35.8	8.8	- -
1982	61.3	53.3	1.3	5.3	18.3	28.4	8.0	- -
1983	77.4	68.6	1.2	10.4	25.5	31.5	8.8	- -
1984	r101.0	91.2	1.0	9.8	33.1	47.3	r9.8	- -
1985	r99.3	r87.5	2.0	10.2	r31.2	44.1	r11.8	- -
1986	92.9	77.0	3.0	7.0	21.0	46.0	15.9	- -
*53 DRAPERY & UPHOLSTERY**								
1980	484.3	325.2	34.1	94.4	91.1	105.6	147.7	11.4
1981	464.3	319.0	21.4	91.4	99.8	106.4	132.6	12.7
1982	373.4	242.1	15.9	57.7	76.3	92.2	119.8	11.5
1983	471.9	311.5	17.7	76.9	100.5	116.4	145.8	14.6
1984	r507.7	323.8	19.3	73.4	83.3	147.8	r167.6	16.3
1985	r532.8	r333.8	12.8	r70.9	104.6	r145.5	r185.4	13.6
1986	555.4	331.8	11.7	86.2	105.5	128.4	210.0	13.6
*OTHER HOME FURNISHINGS**								
1980	64.7	39.1	1.3	5.8	9.9	22.1	25.6	- -
1981	57.8	34.0	1.2	2.3	6.8	23.7	23.8	- -
1982	51.6	30.0	1.1	1.1	14.8	13.0	21.6	- -
1983	72.6	47.3	2.3	0.9	16.3	27.8	25.3	- -
1984	r100.6	74.5	2.7	1.0	35.7	35.1	r26.1	- -
1985	r133.7	108.0	2.2	6.4	48.8	50.6	r25.7	- -
1986	87.3	62.2	- -	1.0	18.1	43.1	25.1	- -

TABLE 8:
FIBER CONSUMED IN U.S. FLOOR COVERINGS PRODUCTION INCLUDING FIBER, YARN, FABRIC IMPORTS & WASTE
MILLION POUNDS

END USE & YEAR	TOTAL FIBER	TOTAL	MAN-MADE FIBERS				COTTON	WOOL
			CELLULOSIC		NONCELLULOSIC			
			YARN	STAPLE	YARN	STAPLE		
*50 TOTAL CARPETS & RUGS**								
1980	1926.0	1900.7	- -	0.2	1001.8	898.7	14.9	10.4
1981	1837.9	1814.4	- -	0.7	918.4	895.3	12.0	11.5
1982	1711.0	1690.1	- -	0.7	834.2	855.2	10.4	10.5
1983	2206.8	2179.9	- -	0.6	1064.6	1114.7	14.0	12.9
1984	2287.1	2258.4	- -	0.7	1162.1	1095.6	14.3	14.4
1985	r2568.1	r2538.0	- -	1.3	r1398.5	1138.2	18.2	11.9
1986	2802.9	2767.0	- -	1.5	1535.2	1230.3	20.4	15.5
*50a FACE YARNS**								
1980	1686.1	1672.7	- -	0.2	804.0	868.5	3.0	10.4
1981	1604.0	1587.3	- -	0.7	723.1	863.5	5.2	11.5
1982	1486.2	1470.9	- -	0.7	649.5	820.7	4.8	10.5
1983	1960.9	1941.1	- -	0.6	865.8	1074.7	6.9	12.9
1984	1976.6	1954.5	- -	0.7	934.3	1019.5	7.7	14.4
1985	r2135.8	r2112.2	- -	1.3	r1043.9	r1067.0	11.7	11.9
1986	2307.5	2277.9	- -	1.5	1131.1	1145.3	14.1	15.5
*50b BACKING**								
1980	239.9	228.0	- -	- -	197.8	30.2	11.9	- -
1981	233.9	227.1	- -	- -	195.3	31.8	6.8	- -
1982	224.8	219.2	- -	- -	184.7	34.5	5.6	- -
1983	245.9	238.8	- -	- -	198.8	40.0	7.1	- -
1984	310.5	303.9	- -	- -	227.8	76.1	6.6	- -
1985	432.3	425.8	- -	- -	354.6	71.2	6.5	- -
1986	495.4	489.1	- -	- -	404.1	85.0	6.3	- -

FOOTNOTES FOR BOTH TABLE 7 & TABLE 8:
Most of the above data are taken from the Textile Economics Bureau's publication ***Man-Made Fiber Producers' Handbook.***

NOTE: Data on Glass Fiber is no longer available due to company disclosure. The series, including Glass Fiber was last published in the September 1985 issue.

For all lettered and general footnotes to this table and the Apparel and Industrial & Other Consumer-Type Products tables, please see page 217.

TABLE 9:
FIBER CONSUMED IN U.S. INDUSTRIAL & OTHER CONSUMER-TYPE PRODUCTS INCLUDING FIBER, YARN, FABRIC IMPORTS & WASTE

MILLION POUNDS

END USE & YEAR	TOTAL FIBER	MAN-MADE FIBERS					COTTON	WOOL
		TOTAL	CELLULOSIC		NONCELLULOSIC			
			YARN	STAPLE	YARN	STAPLE		
TOTAL INDUSTRIAL & OTHER CONSUMER								
1980	2249.3	1826.2	41.8	209.2	942.9	632.3	412.4	10.7
1981	2380.9	1965.2	41.4	188.8	1058.3	676.7	403.9	11.8
1982	2140.8	1753.4	30.1	165.2	919.6	638.5	377.1	10.3
1983	2434.2	2038.2	22.5	173.3	987.1	855.3	382.0	14.0
1984	r2505.3	2108.2	27.9	159.4	998.2	922.7	r376.1	21.0
1985	r2454.5	r2080.2	30.5	r161.9	r968.6	r919.1	r361.2	13.1
1986	2613.8	2237.6	28.1	175.9	1106.9	926.7	361.5	14.7
56c NARROW FABRICS*								
1980	86.7	71.9	1.0	- -	68.1	2.8	14.8	- -
1981	91.5	77.8	3.4	- -	74.0	0.4	13.7	- -
1982	87.4	74.9	3.1	- -	70.5	1.3	12.5	- -
1983	100.8	88.8	1.0	- -	86.6	1.2	12.0	- -
1984	110.9	98.1	0.9	- -	96.9	0.3	12.8	- -
1985	r105.5	r93.0	- -	- -	r93.0	c	12.5	- -
1986	118.4	105.3	- -	- -	105.3	- -	13.1	- -
61 MEDICAL, SURGICAL & SANITARY*								
1980	343.4	253.2	c	141.7	31.6	79.9	90.2	- -
1981	336.2	248.5	- -	122.1	38.1	88.3	87.7	- -
1982	324.8	234.6	- -	106.2	39.9	88.5	90.2	- -
1983	339.3	250.3	- -	114.3	46.5	89.5	89.0	- -
1984	328.6	241.6	- -	116.1	54.0	71.5	87.0	- -
1985	299.1	219.3	- -	r105.9	58.7	54.7	79.8	- -
1986	351.1	269.8	- -	123.4	94.4	52.0	81.3	- -
63-64 TRANSPORATION FABRIC*								
1980	48.5	37.8	- -	1.1	16.5	20.2	10.7	- -
1981	62.6	52.8	- -	0.5	22.2	30.1	9.8	- -
1982	47.6	38.7	- -	1.4	22.8	14.5	8.9	- -
1983	63.5	53.5	- -	0.6	32.3	20.6	10.0	- -
1984	r73.1	61.4	- -	1.1	36.5	23.8	r11.7	- -
1985	r85.4	r74.2	- -	0.8	r53.9	19.5	r11.2	- -
1986	87.6	72.4	- -	1.0	50.5	20.9	15.2	- -
65 TIRES*								
1980	396.4	391.0	20.5	- -	370.5	- -	5.4	- -
1981	405.1	400.4	18.9	- -	381.5	- -	4.7	- -
1982	335.5	331.6	12.5	- -	319.1	- -	3.9	- -
1983	335.8	331.8	11.0	- -	320.8	- -	4.0	- -
1984	368.5	364.8	14.0	- -	350.8	- -	3.7	- -
1985	314.7	311.4	9.8	- -	301.6	- -	3.3	- -
1986	300.0	297.6	9.0	- -	288.6	- -	2.4	- -
66 HOSE*								
1980	43.2	38.7	11.9	- -	18.3	8.5	4.5	- -
1981	47.3	42.9	11.5	- -	21.7	9.7	4.4	- -
1982	28.8	26.3	7.0	- -	15.5	3.8	2.5	- -
1983	27.5	24.8	6.5	- -	15.7	2.6	2.7	- -
1984	r33.0	30.1	8.0	- -	19.5	2.6	r2.9	- -
1985	r29.3	r27.3	11.8	- -	r15.1	0.4	r2.0	- -
1986	29.0	27.6	11.0	- -	15.9	0.7	1.4	- -
67 BELTING*								
1980	63.4	51.5	2.0	0.7	34.5	14.3	11.9	- -
1981	66.6	54.1	2.4	1.0	37.7	13.0	12.5	- -
1982	48.3	37.8	1.8	0.5	26.7	8.8	10.5	- -
1983	53.6	44.5	1.9	- -	28.0	14.6	9.1	- -
1984	r60.1	50.7	3.0	- -	31.4	16.3	r9.4	- -
1985	r43.5	r32.7	2.5	- -	r24.3	5.9	r10.8	- -
1986	41.9	31.1	3.1	- -	23.3	4.7	10.8	- -
69,77 ELECTRICAL & REINFORCED PLASTICS*								
1980	33.6	8.6	- -	- -	8.6	c	25.0	- -
1981	31.1	6.1	c	- -	6.0	0.1	25.0	- -
1982	31.6	6.6	- -	- -	6.6	c	25.0	- -
1983	29.9	4.9	- -	- -	4.9	c	25.0	- -
1984	30.2	5.2	0.2	- -	5.0	c	25.0	- -
1985	31.3	6.3	0.1	- -	6.2	- -	25.0	- -
1986	28.9	3.9	c	- -	3.9	0.2	25.0	- -
70 FELTS*								
1980	28.1	17.0	- -	3.4	4.8	8.8	1.4	9.7
1981	27.0	14.8	- -	4.0	5.2	5.6	1.4	10.8
1982	20.2	9.6	- -	- -	4.6	5.0	1.3	9.3
1983	27.0	12.7	- -	3.5	3.9	5.3	1.3	13.0
1984	34.7	13.5	- -	3.5	4.0	6.0	1.2	20.0
1985	23.7	10.6	- -	2.0	3.9	4.7	1.0	12.1
1986	26.3	11.7	- -	2.2	4.3	5.2	1.0	13.6

For all lettered and general footnotes to this table and the Apparel, Home Furnishings and Floor Covering tables, please see page 217.

TABLE 9:
FIBER CONSUMED IN U.S. INDUSTRIAL & OTHER CONSUMER-TYPE PRODUCTS INCLUDING FIBER, YARN, FABRIC IMPORTS & WASTE (CONTINUED)
MILLION POUNDS

END USE & YEAR	TOTAL FIBER	TOTAL	MAN-MADE FIBERS				COTTON	WOOL
			CELLULOSIC		NONCELLULOSIC			
			YARN	STAPLE	YARN	STAPLE		
71 FILTRATION*								
1980	43.5	37.9	--	4.0	4.1	29.8	5.6	--
1981	34.6	29.0	--	4.1	5.1	19.8	5.6	--
1982	31.9	26.9	--	3.7	5.6	17.6	5.0	--
1983	34.2	29.0	--	1.3	3.8	23.9	5.2	--
1984	34.3	29.5	--	3.3	4.8	21.4	4.8	--
1985	37.3	32.8	--	3.2	5.2	24.4	4.5	--
1986	37.0	32.7	--	4.6	4.1	24.0	4.3	--
72 SEWING THREAD*								
1980	111.9	64.7	c	5.6	46.2	12.9	47.2	--
1981	135.2	73.7	c	8.0	49.5	16.2	61.5	--
1982	114.2	60.6	c	7.1	40.0	13.5	53.6	--
1983	133.8	76.3	c	7.6	50.0	18.7	57.5	--
1984	123.6	72.2	c	5.2	51.1	15.9	51.4	--
1985	r129.7	r84.1	0.4	6.7	r60.4	17.0	45.6	--
1986	130.5	84.1	0.4	3.9	63.4	16.8	46.4	--
73 ROPE, CORDAGE, FISHLINE, ETC*								
1980	162.7	135.6	1.8	0.9	130.6	2.3	27.1	--
1981	172.4	148.2	1.8	0.7	137.4	8.3	24.2	--
1982	162.5	139.3	1.0	0.8	126.6	10.9	23.2	--
1983	170.0	152.2	0.8	0.6	138.3	12.5	17.8	--
1984	186.5	170.9	1.0	0.3	157.1	12.5	15.6	--
1985	r184.3	r168.9	0.6	r0.4	157.3	r10.6	r15.4	--
1986	188.3	175.1	0.4	1.7	155.7	17.3	13.2	--
74 BAGS & BAGGING*								
1980	67.2	60.4	--	--	60.4	--	6.8	--
1981	69.5	62.9	--	--	61.6	1.3	6.6	--
1982	68.8	62.6	--	--	62.6	--	6.2	--
1983	75.3	69.5	--	--	67.5	2.0	5.8	--
1984	46.6	41.3	--	--	40.5	0.8	5.3	--
1985	60.2	55.1	--	--	54.5	0.6	5.1	--
1986	58.0	53.0	--	--	52.2	0.8	5.0	--
75 COATED & PROTECTIVE FABRICS*								
1980	172.7	121.2	0.5	10.5	30.3	79.9	51.5	--
1981	169.0	120.7	--	10.4	29.1	81.2	48.3	--
1982	161.7	117.4	--	7.1	39.3	71.0	44.3	--
1983	228.1	177.9	--	10.6	46.2	121.1	50.2	--
1984	251.2	194.2	--	10.5	55.0	128.7	57.0	--
1985	r195.2	r135.6	--	10.2	r43.9	r81.5	r59.6	--
1986	195.1	136.2	--	11.6	47.0	77.6	58.9	--
76 PAPER & TAPE REINFORCING*								
1980	8.0	3.5	1.3	c	2.0	0.2	4.5	--
1981	5.8	2.0	c	0.9	0.6	0.5	3.8	--
1982	7.6	4.6	c	0.9	1.4	2.3	3.0	--
1983	5.7	2.3	c	0.4	0.6	1.3	3.4	--
1984	11.1	7.4	0.3	0.4	2.7	4.0	3.7	--
1985	6.8	3.9	1.8	0.4	1.7	--	2.9	--
1986	5.3	3.4	0.9	0.1	2.4	c	1.9	--
79a FIBERFILL, STUFFING & FLOCK*								
1980	254.9	254.9	--	6.3	--	248.6	--	--
1981	293.5	293.5	--	10.7	--	282.8	--	--
1982	277.2	277.2	--	7.2	--	270.0	--	--
1983	331.7	331.7	--	7.4	--	324.3	--	--
1984	321.4	321.4	--	4.1	--	317.3	--	--
1985	r354.9	r354.9	--	6.5	--	r348.4	--	--
1986	368.7	368.7	--	3.1	--	365.6	--	--
79b UNALLOCATED NONWOVENS*								
1980	95.4	95.4	--	14.1	--	81.3	--	--
1981	83.0	83.0	--	12.0	--	71.0	--	--
1982	90.4	90.4	--	9.2	--	81.2	--	--
1983	136.6	136.6	--	6.9	--	129.7	--	--
1984	189.2	189.2	--	3.0	--	186.2	--	--
1985	r224.4	r224.4	--	r12.9	--	r211.5	--	--
1986	257.5	257.5	--	14.9	--	242.6	--	--
MISCELLANEOUS INDUSTRIAL & CONSUMER-TYPE PRODUCTS*								
1980	289.7	182.9	2.8	20.9	116.4	42.8	105.8	1.0
1981	350.5	254.8	3.4	14.4	188.6	48.4	94.7	1.0
1982	302.3	214.3	4.7	21.1	138.4	50.1	87.0	1.0
1983	341.4	251.4	1.3	20.1	142.0	88.0	89.0	1.0
1984	302.3	216.7	0.5	11.9	88.9	115.4	84.6	1.0
1985	328.8	245.3	3.6	12.9	88.9	139.9	82.5	1.0
1986	389.6	306.9	3.3	9.4	195.9	98.3	81.6	1.1

Most of the above data are taken from the Textile Economics Bureau's publication ***Man-Made Fiber Producers' Handbook.***

NOTE: Data on Glass Fiber is no longer available due to company disclosure.

The series, including Glass Fiber was last published in the September 1985 issue.

TABLE 10:
EXPORTS OF SEMIMANUFACTURED PRODUCTS
MILLION POUNDS

			MAN-MADE FIBERS [b]					
			CELLULOSIC		NONCELLULOSIC			
END USE & YEAR	TOTAL FIBER	TOTAL	YARN	STAPLE	YARN	STAPLE	COTTON	WOOL
TOTAL EXPORTS OF DOMESTIC PRODUCTS								
1980	617.5	351.8	20.0	10.8	141.0	180.0	259.3	6.4
1981	489.9	318.6	17.2	10.3	121.0	170.1	165.8	5.5
1982	338.7	217.5	11.7	6.9	82.5	116.4	114.9	6.3
1983	284.2	185.9	11.0	6.0	70.0	98.9	93.0	5.3
1984	280.2	190.9	9.4	6.1	73.0	102.4	84.8	4.5
1985	328.4	209.7	9.6	6.6	75.8	117.7	108.0	10.7
1986	383.7	232.1	11.0	7.6	88.0	125.5	143.0	8.6
80 YARN, THREAD, ETC*								
1980	105.1	53.3	e	3.3	e	50.0	47.0	4.8
1981	103.9	62.2	e	3.9	e	58.3	38.1	3.6
1982	77.7	42.7	e	2.5	e	40.2	30.1	4.9
1983	72.5	37.3	e	2.0	e	35.3	31.2	4.0
1984	61.2	38.3	e	2.6	e	35.7	20.0	2.9
1985	86.0	51.1	e	2.7	e	48.4	25.8	9.1
1986	70.8	47.9	e	2.5	e	45.4	16.6	6.3
81 WOVEN & KNIT FABRIC*								
1980	512.4	298.5	20.0	7.5	141.0	130.0	212.3	1.6
1981	386.0	256.4	17.2	6.4	121.0	111.8	127.7	1.9
1982	261.0	174.8	11.7	4.4	82.5	76.2	84.8	1.4
1983	211.7	148.6	11.0	4.0	70.0	63.6	61.8	1.3
1984	219.0	152.6	9.4	3.5	73.0	66.7	64.8	1.6
1985	242.4	158.6	9.6	3.9	75.8	69.3	82.2	1.6
1986	312.9	184.2	11.0	5.1	88.0	80.1	126.4	2.3

SOURCE: U.S. Department of Agriculture, *Cotton & Wool Outlook Situation.*

For all lettered and general footnotes to this table, see page 217.

This is a non-add section since the volumes are included in Tables 2 and 6 through 9.

NOTES FOR EXPORT ITEMS ABOVE

For all lettered and general footnotes to this table, see page 217.

These exports do not duplicate the end use poundages that are reported in Items 1 through 79. Apparel items are not tabulated here because they already have been counted as the fabric was cut, i.e., they are counted only once regardless of the subsequent place of sale or consumer use.

Similarly, fabrics for blankets, sheets, upholstery & draperies, carpets, etc., are excluded since they are measured at the mill level as an end use.

The exports of man-made fiber filament yarn+monofilaments, staple, tow, etc., are not tabulated in this section because these products are not a factor in U.S. mill consumption.

On the other hand, the two export items are recorded because, while they were processed or fabricated in U.S. mills, they were exported before reaching the point at which end use is measured.

80. YARN, THREAD, ETC:
Consists of sliver, tops & roving; plied, thrown and spun yarn; sewing thread and handwork yarns; cotton twine and cordage; and advanced wool.

81. WOVEN & KNIT FABRIC:
Consists of broad & narrow woven fabrics and knit cloth, except that cotton also includes table damask and tire cord & fabric.

GENERAL NOTES FOR END USE TABLES
ON PAGES 210-216

Units are in million pounds.

- - Little, or none, of the fiber is used.

* When an asterisk appears, there is a footnote at the end of the table.

● A significant revision in the 1980-1986 data series compared with the corresponding data shown in the September 1986 ***Organon*** issue. Earlier years' data on the new basis are not available.

a. This letter in the title of each table refers the reader to these notes.

b. Man-made fiber end use in these tables is divided between Cellulosic (rayon+acetate fibers) and Noncellulosic (nylon, polyester, acrylic & olefin fiber). Yarn includes monofilaments and olefin "yarn" also includes film fiber and spunbonded polypropylene. Staple includes tow & fiberfill; see Item 79a, Fiberfill, Stuffing & Flock and its footnote on page 219. Certain waste quantities, which are tabulated with staple, are included; see text on page 206.

The noncellulosic fibers included in this survey, for one or more years, are the acrylic, aramid to 1982, modacrylic, nylon, olefin (polyethylene & polypropylene), polyester and vinyon fibers.

c. Less than 50,000 pounds, i.e., nominal.

d. The staple data are tabulated in the yarn column.

e. The yarn data are tabulated in the staple column.

r. This data shows a significant revision compared with the September 1986 ***Organon*** data.

As described in the footnotes to Items 54a and 54b, apparel linings, pockets and such are tabulated in Items 54a and 54b and not with the applicable garments.

In the Apparel table, the sex and age classifications used are those of the U.S. Census Bureau. Thus **M** means Men's plus Boys' and **W** means all other persons, i.e., Women's, Misses', Juniors', Girls', Children's & Infants'.

NOTES FOR APPAREL ITEMS
PAGES 210-211

For all lettered and general footnotes to this table, see notes above.

40. **SHEER HOSIERY:**
Includes pantyhose, stockings, body stockings, leotards & tights, sheer knee-highs & anklets and support hose.

19,41. **ANKLETS & SOCKS:**
Include footsocks, anklets, half-hose, over-the-calf hosiery and nonsheer knee-highs for all ages and both sexes. Also includes infants' and children's waist-highs.

8,29. **SWEATERS (MW):**
Knitted sweater shirts, pullover, coat & cardigan types, both full-fashioned and cut and sewn. Also note Item 57.

57. **CRAFT & HANDWORK YARNS:**
All yarns for handwork, i.e., knitting, embroidery, crocheting, needlepoint, crewl and yarn kits for all uses. Does not include sewing thread (Item 72). Olefin yarn for macramé is in Miscellaneous Industrial.

16-18. **UNDERWEAR & NIGHTWEAR (M):**
Undershirts, shorts & briefs, pajamas, nightshirts, sleepcoats, thermal underwear, etc.

35-39. **UNDERWEAR, NIGHTWEAR, BRAS AND FOUNDATIONS:**
Underwear and nightwear component includes full and halfslips, panties, petticoats, pettipants, camisoles, vests, briefs and thermal underwear as well as nightgowns, pajamas, sleep coats, peignoirs, robes, negligees and bedjackets. Also includes bodywear and all children's and infants' underwear & nightwear. **Excludes** the trim, elastic webbing, apparel lace, braid or narrow fabric used in these products.

The bras and foundations include corsets, girdles, combinations and one-piece garments, garter belts, hose supporters, two-way stretch and surgical & maternity foundation garments.

10,31. **ROBES & LOUNGEWEAR (MW):**
Men's & boys' beach & bathrobes, dressing gowns and smoking jackets, and women's beach & bathrobes and house-breakfast & brunch coats and dressing gowns.

54a. **HIGH PILE FABRICS:**
Include all applications. End uses such as coatings, collar trims, linings, backings and paint rollers are included. Napped or brushed fabrics such as fleeces, velvets or corduroys are excluded.

54b. **FABRICS FOR LINING:**
All man-made fiber types except high pile fabrics (Item 54a), lining-type fabrics sold as retail piece goods and the lining components of shoes & slippers and luggage and handbags (Miscellaneous Other Consumer-Type). The apparel lining component of this series includes main linings, interlinings, zip-in linings (except pile), pocketings and bandings and waistbands as well as the acetate and nylon tricot for laminating. Cotton drapery linings are not included here but are in Item 52. Also not included are interlinings of haircloth, urethane and non-woven fabrics.

43. **APPAREL LACE:**
Nets and veilings.

56a. **NARROW FABRICS:** ELASTIC AND NONELASTIC TYPES.
The "narrow woven goods" made by slicing broad woven fabrics are not included. **NARROW FABRIC** quantities for home furnishings and industrial uses are shown in those sections.

RETAIL PIECE GOODS:
Are included in Topweight and Bottomweight Fabrics.

TOPWEIGHT FABRICS:
All shirts, blouses, lightweight dress and lightweight fashion fabrics. Fabrics generally weigh 5.0 ounces or less per square yard. Retail piece goods are included.

BOTTOMWEIGHT FABRICS:
Pants, jeans, sportswear, tailored clothing, coats and jackets, career apparel and heavier weight fashion fabrics. Fabrics generally weigh more than 5.0 ounces per square yard. Retail piece goods are included.

OTHER APPAREL:
Men's & women's work gloves and handkerchiefs. Man-made fiber used for knitted accessories such as scarves, mufflers, gloves, mittens, caps, etc., is in Items 8 & 29.

NOTES FOR HOME FURNISHING ITEMS
PAGES 212-213

For all lettered and general footnotes to this table, see page 217.

HOME FURNISHINGS:

Data cover the use of each item not only in homes, but also in offices, hotels, institutions, etc. For certain transportation uses, note Items 50a, 63 & 64.

None of the quantities tabulated include any cotton stuffing or filling materials in items such as furniture, pillows, mattresses, comforters & quilts, sleeping bags, seat padding, etc. For the man-made fibers, however, stuffing & fiberfill is tabulated in the Industrial section. Note text page 206 regarding the inclusion of certain man-made fiber waste quantities here. Certain felt quantities are in Item 70.

45. **BEDSPREADS:**
Tailored & throw spreads, both tufted & woven, as well as the backing. **QUILTS:** Comforters and their outer shell, quilted pads are in Item 47.

46. **BLANKETS & BLANKETING:**
Woven, knitted, needle-punched and flocked full-size and crib blankets and electric blanket shells, as well as the woven acetate or nylon filament yarn bindings thereof. Sizable quantities of rayon, acrylic, nylon & wool waste are included here.

47. **SHEETS:**
Pillowcases. **OTHER BEDDING:** Outside covers of quilted pads, mattress pads, mattresses & innersprings, civilian cots and sleeping bags. Mattress felts are in Item 70. The man-made staple quantities here are mainly polyester for sheets and rayon & polyester for bed ticking. The man-made filament is chiefly polyester for bed ticking.

48. **TOWELS & TOWELING:**
Woven hand, bath, dish towels, etc. Nonwoven towels, such as "Handi-wipes" and industrial wiping cloths, are in Item 61. The large cotton waste quantity used in these products is not included.

56b. **NARROW FABRICS:**
Only home furnishings applications. See the Apparel and Industrial sections for Narrow Fabrics in those applications.

51. **CURTAINS:**
Lace and other types (principally woven) i.e., cafe, tiered & cottage, ruffled, shortie drapes and tailored. Shower curtains are in Other Home Furnishings.

52. **DRAPERY & UPHOLSTERY:**
Furniture slipcovers and vinyl-coated cotton fabrics for upholstery. The olefin & saran webbing for outdoor furniture is included under Narrow Woven Industrial (Item 56c). Also includes the backing & headers of drapery fabrics. The cotton data include cotton drapery linings.

OTHER HOME FURNISHINGS:

Woven & lace napery, such as tablecloths & napkins, doilies, etc., as well as the cotton in window shades. For the man-made fibers, it includes insect screening & netting. Wall covering fabric is in Miscellaneous Industrial.

NOTES FOR FLOOR COVERING ITEMS
PAGE 213

For all lettered and general footnotes to this table, see page 217.

50. **CARPETS & RUGS FACE FIBER (TOTAL):**
Sum of 50a & 50b.

50a. **FACE YARNS:**
Tufted, woven, knitted and needle-punched types. Tufted includes broadloom & roll goods, transportation carpeting, scatter rugs, bath mats and "grass." Woven includes carpets such as Axminster, Velvet, Wilton, etc. Knit goods are mainly scatter rugs. Needle-punched are the indoor-outdoor carpets. Item 50a does not include braided, hooked or woven twisted paper carpets.

50b. **CARPET BACKING FIBERS:**
The Cellulosic Yarn is industrial rayon used for woven carpet chain warps. The Other Yarn is olefin (monofil+film fiber+spunbonded) and small quantities of nylon & polyester filament yarn. The Other Staple is olefin only. The substantial quantities of jute used as woven primary & secondary carpet backing, as well as the jute yarn used in the warp of woven carpets, are not tabulated in Item 50b. Nor does it include the quantities of wool, hair and jute used in carpet and rug pads and cushions.

NOTES FOR INDUSTRIAL & OTHER CONSUMER-TYPE ITEMS
PAGES 214 - 215

For all lettered and general footnotes to this table, see page 217.

56c. **NARROW FABRICS:**
Woven labels, industrial webbing, shoelaces. tapes (venetian blinds & industrial), transportation seat belts, auto windlace, channeling & trim, and outdoor furniture webs. These figures exclude transmission & conveyor belting (in Item 67); friction tape and the braided narrow fabric used in electrical applications (in Item 69); and gummed cotton tape (in Item 76).

61. **MEDICAL, SURGICAL & SANITARY:**
Bandages, gauzes, adhesive tapes & plasters, sanitary napkins & tampons, cotton diapers, rayon disposable diapers, surgical gowns and packs. Medical sutures are tabulated in Item 72. Surgical hosiery is in Items 19 & 40. Not included here is cotton waste & linters nor any nontextiles used for filling materials.

63 & 64. **TRANSPORTATION FABRIC:**
Auto seat upholstery & slipcovers, sidewall, headlining and sheeting. The cotton quantities include the knit and woven fabric used as the backing for vinyl sheeting. The item includes convertible auto tops & replacements thereof, as well as upholstery used in other kinds of transportation, such as airplanes, railroad & subway cars, buses, etc. it does not include seat padding, transportation rugs (in Item 50), window channeling (in Item 56c), flocking, tassels, trim, etc. Starting in 1980, the man-made fiber used for substrates for automotive fabric is included in Item 75.

65. **TIRES:**
All types, i.e., automobile, truck, tractor, off-road, bicycle, etc. The data include tire cord & tire cord fabric, chafer and other tire components, i.e., flipper fabric, breaker strips, bead wraps, etc.

The data include imports of tire yarn, cord & fabric and also cover any quantities subsequently exported in cord or fabric form.

The consumption of steel tire cord for the years 1980-1986 inclusive is estimated as follows: 142.0, 154.3, 159.8, 219.2, 300.5, 317.6 & 327.0. However, these quantities are **not included** in Item 65.

66. **HOSE:**
Fire, chemical, fuel, etc. Does not include braided vacuum cleaner hose.

67. **BELTING:**
Includes flat conveyor & transmission belts (both rubberized and nonrubberized) and V-belts.

69 & 77. **ELECTRICAL APPLICATIONS & REINFORCED PLASTICS:**
The cotton quantities are estimated.

Electrical Applications: Electric wire insulation & covering of all kinds plus friction tape and cable wrap, stuffing & identification.The total fiber consumed does not reflect the increased use of plastic and other nonfibrous coatings, of course.

Reinforced Plastics: High- and low-pressure laminates used in the manufacture of construction materials (corrugated & flat sheet, plumbing accessories, etc.), process equipment (tanks & containers, pipes, ducts, etc.), transportation uses (aircraft, autos, trucks, etc.) and marine, missiles, molded electrical parts, housing, seating, trays, etc. Flexible laminates of cotton are tabulated by end use, e.g., vinyl-supported upholstery fabric in Item 63, etc.

70. **FELTS:**
Wet & dry papermakers' felts, mattress felts and cushioning & wicking felts. Apparel felts (e.g., for shirts) are classified by apparel products. Patio and similar "felts" are in Item 50a. Laundry press pads and flatwork ironer pads are in Miscellaneous Industrial. The wool quantity includes some felts used in filtration (recorded here and not in Item 71), but excludes the substantial amounts used in pressed felts.

71. **FILTRATION:**
Woven and nonwoven filters for wet & dry filtration, including tea bags. The small wool quantity used in the copper refining industry is included in Item 70.

The fiber used in cigarette filtration is **not included** in this end use or in the Industrial Uses totals.

72. **SEWING THREAD:**
Home sewing and industrial & weight goods, as well as medical sutures.

73. **ROPE** (Braided & twisted), **CORDAGE** (under 3/16"), **FISHLINE, ETC:**
Includes hawsers, baler or harvest twine, clothesline, tying twine, etc., as well as fishnets, seines & netting twine.

74. **BAGS & BAGGING:**
Man-made Other Yarn is nylon mailbags plus olefin leno mesh & close-woven bags, including sandbags; also includes olefin bagging for wool bales. Carpet backing bale wrap is in Other Industrial.

75. **COATED & PROTECTIVE FABRICS:**
For the man-made fibers, tents & tarpaulins, as well as the substrates for vinyl, rubber or urethane coating, lamination or impregnation. Examples of specific end uses covered include parachutes, deceleration chutes & tow targets, awnings, beach, garden & tractor umbrellas, inflatable dunnage & cushions, air-supported structures & automotive air-spring diaphragms and boat & pool covers.

The cotton quantities include awnings, boat covers, tarpaulins and tents. **Not included** here are the cotton quanities used for vinyl substrates; such quantities are tabulated with their appropriate end use, i.e., transportation upholstery (Items 63 & 64), upholstery (Item 52), etc. Man-made fiber surfaces for recreational fields are not included in this survey.

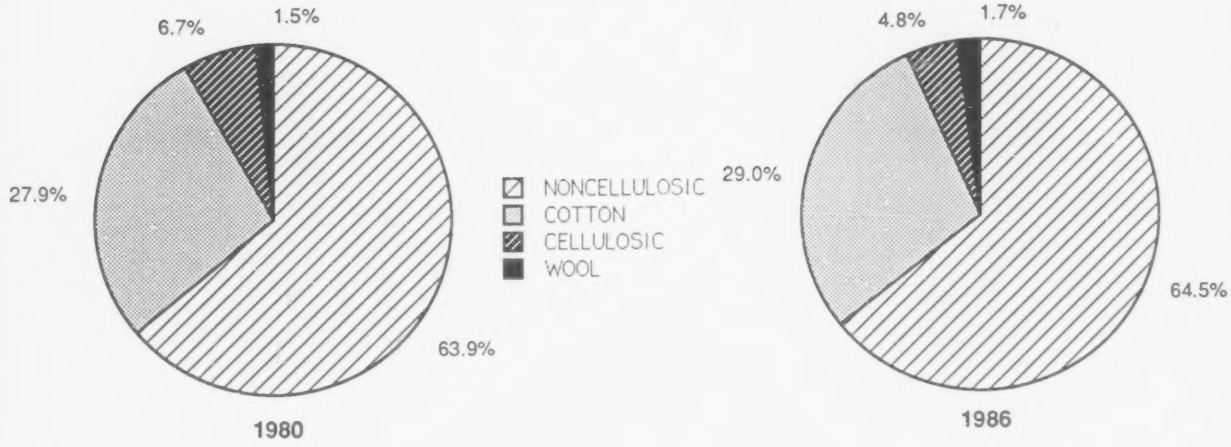
76. **PAPER & TAPE REINFORCING:**
Gummed and pressure-sensitive tape, as well as nonwoven bonded structures for paper, tape and ribbon reinforcing.

79a. **FIBERFILL, STUFFING & FLOCK:**
All applications (apparel, home furnishings & industrial). Both graded fiber and waste are included. The consumption of polyester staple & tow in fiberfill for the years 1980-1986 inclusive was: 206.1, 228.3, 229.3, 276.5, 277.7, 282.5 & 296.0. For the same years, use of polyester waste for stuffing and filling materials was: 24.0, 20.7, 24.1, 30.4, 24.8, 50.9 & 60.3.

79b. **UNALLOCATED NONWOVENS:**
All nonwoven quantities remaining after the identifiable nonwoven end uses, such as medical, surgical & sanitary, filtration, coated & protective fabrics, and paper & tape reinforcing, have been calculated.

MISCELLANEOUS INDUSTRIAL & OTHER CONSUMER-TYPE PRODUCTS:
The cotton for abrasives, book binding, luggage & handbags, shoes & slippers, tobacco cloth, woven wiping cloths and wall-covering fabrics. For rayon, it includes asbestos carrier fiber, laundry supplies and mop yarns. For olefin yarn, it includes agricultural cloth, bale wrap, cable binding, civil engineering fabrics and macramé and other craft yarns.

GRAPH 1:
U.S. FIBER CONSUMPTION BY FIBER TYPE



GRAPH 2:
U.S. FIBER CONSUMPTION BY FIBER TYPE WITHIN END USE MARKET AREA

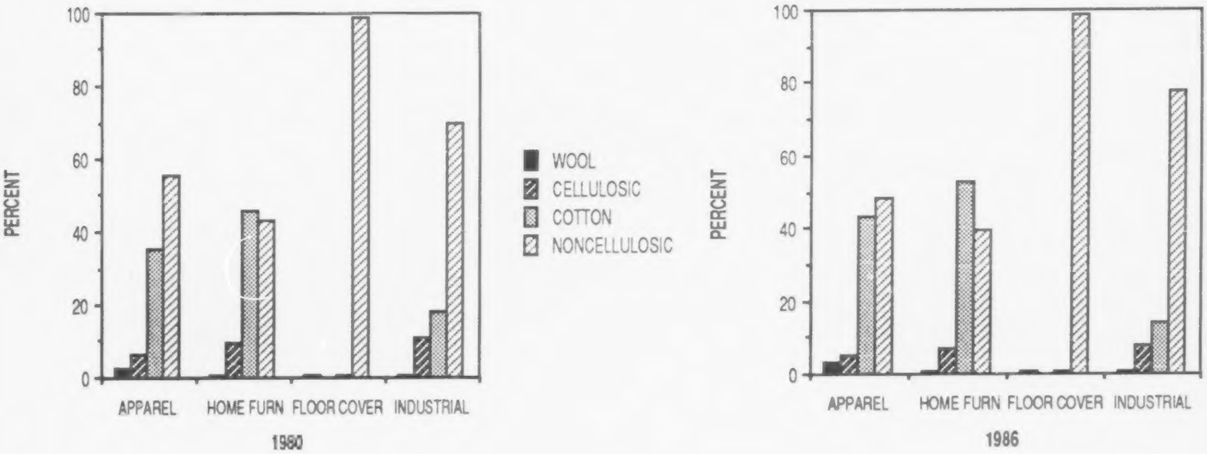


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TABLE 11:
SELECTED U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION BY COUNTRY OF ORIGIN
THOUSAND POUNDS

ITEMS & COUNTRY	1987												YEAR TO DATE	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1987	1986
CELLULOSIC YARN, MONOFIL & STRIPS														
AUSTRIA	0	138	0	43	42	21	0						244	30
BRAZIL	86	29	0	28	54	88	29						314	191
CANADA	425	368	175	323	285	70	137						1783	2742
GERMANY, FED. REP.	442	229	561	363	332	352	370						2649	3148
JAPAN	209	10	39	39	6	38	66						407	304
MEXICO	3	15	10	102	28	18	58						234	320
NETHERLANDS	101	43	105	147	38	40	42						516	1113
ALL OTHER COUNTRIES [a]	1	3	1	0	1	2	14						22	1310
TOTAL CELLULOSIC YARN	**1267**	**835**	**891**	**1045**	**786**	**629**	**716**						**6169**	**9158**
CELLULOSIC STAPLE+TOW														
CANADA	749	1188	1356	1230	841	1185	420						6969	6035
ITALY	88	0	59	51	61	35	78						372	208
JAPAN	59	168	168	18	98	61	59						631	714
SWEDEN	43	0	0	48	89	39	0						219	445
UNITED KINGDOM	46	5	73	24	0	41	42						231	489
ALL OTHER COUNTRIES [b]	0	63	4	7	0	36	5						115	1953
TOTAL CELLULOSIC STAPLE+TOW	**985**	**1424**	**1660**	**1378**	**1089**	**1397**	**604**						**8537**	**9844**
NONCELLULOSIC YARN, MONOFIL & STRIPS														
BELGIUM	1408	1377	559	560	653	849	671						6077	6904
CANADA	890	1976	1613	1605	1802	1214	1426						10526	8491
CHINA, PRC	0	0	94	0	267	30	0						391	0
COSTA RICA	729	515	642	589	590	564	585						4214	3718
DENMARK	31	62	0	0	32	30	30						185	122
FRANCE	686	685	659	648	306	678	331						3993	3860
GERMANY, FED. REP.	1744	2397	2421	2740	1373	1347	2176						14198	13237
IRELAND	81	58	0	0	106	79	54						378	158
ISRAEL	162	233	90	249	321	97	165						1317	2137
ITALY	1202	866	1292	1254	940	985	1020						7559	7384
JAPAN	964	570	670	661	525	548	523						4461	5371
KOREA, REP. OF	41	21	22	20	60	25	25						214	200
MEXICO	1167	2037	2527	1939	1660	871	1829						12030	5924
NETHERLANDS	93	184	151	99	61	62	154						804	873
SINGAPORE	73	0	66	44	21	23	49						276	82
SWITZERLAND	253	2	64	2	9	1	15						346	435
TAIWAN	14	39	63	46	34	116	104						416	614
UNITED KINGDOM	735	596	844	894	483	670	610						4832	3531
ALL OTHER COUNTRIES [c]	151	142	119	144	48	86	194						884	5509
TOTAL NONCELLULOSIC YARN	**10424**	**11760**	**11896**	**11494**	**9291**	**8275**	**9961**						**73101**	**68550**
NONCELLULOSIC STAPLE+TOW														
AUSTRIA	61	18	130	177	38	312	274						1010	177
BELGIUM	21	36	18	18	53	1	+						147	283
BRAZIL	0	438	236	379	262	297	0						1612	457
CANADA	3125	3071	3201	2248	2236	2507	2725						19113	13046
FRANCE	955	588	532	585	520	1193	279						4652	6214
GERMANY, FED. REP.	2586	2359	2194	2463	1766	1951	2805						16124	19101
IRELAND	109	0	0	0	0	344	91						544	140
ISRAEL	62	0	31	0	291	36	0						420	348
ITALY	2265	1688	2200	980	344	1183	100						8760	10699
JAPAN	1849	1582	2230	2472	1577	2390	1698						13798	13320
KOREA, REP. OF	935	947	655	614	1247	956	1106						6460	2910
MALAYSIA	48	95	0	95	87	95	0						420	96
MEXICO	1586	1232	1784	824	2080	1303	3161						11970	8794
ROMANIA	372	58	590	88	516	749	339						2712	1350
SWITZERLAND	71	152	198	89	17	70	66						663	476
TAIWAN	1911	1559	1338	2580	1985	2003	1774						13150	12455
UNITED KINGDOM	777	1280	1522	1264	1635	1032	953						8463	14048
ALL OTHER COUNTRIES [d]	24	13	135	72	103	7	80						434	1632
TOTAL NONCELLULOSIC STAPLE+TOW	**16757**	**15116**	**16994**	**14948**	**14757**	**16429**	**15451**						**110452**	**105546**

+ Denotes a quantity which is less than 1 thousand pounds.

a. France 15, Australia 2, Italy 2, Belgium 1, Korea, Rep. of 1, United Kingdom 1.

b. Austria 76, Germany, Fed. Rep. 23, France 8, Venezuela 4, Finland 3, Belgium 1.

c. Spain 138, New Zealand 110, Australia 103, South Africa 88, Romania 81, Argentina 69, Finland 61, Austria 45, Turkey 39, Chile 36, Morocco 33, Norway 32, Philippines 27, Bangladesh 6, Sweden 6, Thailand 4, Brazil 3, Greece 1, Guatemala 1, Iceland 1, Hong Kong.

d. Denmark 133, Costa Rica 91, Australia 63, Hong Kong 62, Turkey 37, China, PRC 17, Netherlands 16, Spain 11, Portugal 2, India 1, Sweden 1, Philippines.

TABLE 12:
U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION
THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/87	1987												YEAR TO DATE	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1987	1986
CELLULOSIC FIBERS															
YARN - SINGLES															
TEXTURED	310.0106 & .0206	29	139	0	45	57	20	0						290	396
OTHER	310.0130 & .0230[a]	1237	691	891	1000	729	607	704						5859	8120
MONOFILAMENTS	309.0310 & .0610	0	5	0	0	0	0	0						5	15
STRIPS, $1/LB & UNDER	309.2000*	1	0	0	0	0	2	12						15	627
SUBTOTAL ABOVE		**1267**	**835**	**891**	**1045**	**786**	**629**	**716**						**6169**	**9158**
STAPLE	309.4320 & .4325	867	1402	1569	1336	1072	1397	542						8185	9043
GROUPED FILAMENTS	309.3010 & .3310	118	22	91	42	17	0	62						352	801
SUBTOTAL ABOVE		**985**	**1424**	**1660**	**1378**	**1089**	**1397**	**604**						**8537**	**9844**
WASTE, ADVANCED&NOT ADVANCED	309.6615 & .7510	**0**	**0**	**0**	**7**	**0**	**21**	**0**						**28**	**76**
NONCELLULOSIC FIBERS															
YARN - SINGLES															
TEXTURED - NYLON															
LESS THAN 450	310.0107 & .0207	142	163	113	123	147	150	188						1026	1700
MORE THAN 450	310.0108 & .0208	2592	2933	3169	3131	1822	1660	1917						17224	17051
- POLYESTER	310.0110 & .0210	1000	2243	1670	1399	1016	650	1165						9143	7127
- OTHER	310.0114 & .0214	1876	2010	1396	1300	1785	1867	1595						11829	11496
OTHER - NYLON	310.0149 & .0249	2008	2121	2350	2348	1695	1694	2086						14302	11666
- POLYESTER	310.0150 & .0250	1918	1327	2088	2006	1590	1438	1693						12060	14196
- OTHER	310.0170 & .0270[b]	417	486	610	680	713	358	725						3989	2753
MONOFILAMENTS	309.0200 & .0330[c]	272	281	265	263	354	297	329						2061	1620
STRIPS, OVER $1/LB	309.2100 & .2500*	199	196	235	244	169	161	263						1467	941
SUBTOTAL ABOVE		**10424**	**11760**	**11896**	**11494**	**9291**	**8275**	**9961**						**73101**	**68550**
STAPLE - NYLON	309.4331 & .4351	5346	4106	5357	3521	2137	3037	1984						25488	27569
- POLYESTER	309.4336 & .4361	5335	5030	5122	4833	6596	5980	6805						39701	21332
- ACRYLIC	309.4366	1216	839	1202	1285	1073	1724	1521						8860	9595
- OLEFIN	309.4371	2	153	42	38	21	28	37						321	1528
- OTHER	309.4341 & .4390	479	904	1233	1011	918	1567	1152						7264	11544
GROUPED FILAMENTS															
NYLON	309.3030 & .3200	3012	2523	2383	2409	2436	2723	2548						18034	23189
POLYESTER	309.3040 & .3340	367	279	441	383	260	145	297						2172	1113
ACRYLIC	309.3050 & .3350	861	1144	1073	1290	1015	1104	947						7434	7860
OTHER	309.3065 & .3365	139	138	141	178	301	121	160						1178	1816
SUBTOTAL ABOVE		**16757**	**15116**	**16994**	**14948**	**14757**	**16429**	**15451**						**110452**	**105546**
WASTE, NOT ADVANCED															
- NYLON	309.6625	2279	2182	3100	1454	2026	2732	2280						16053	13428
- POLYESTER	309.6630	1077	823	1475	867	525	1035	377						6179	3933
- ACRYLIC	309.6645	20	53	0	18	41	0	18						150	213
- OTHER	309.6660	415	518	810	415	460	339	269						3226	5061
NOILS & GARNETTED FIBERS	309.7000*	0	0	0	0	0	31	0						31	121
OTHER WASTE, ADVANCED	309.7525 - .7555	42	153	67	638	1016	243	848						3007	2269
SUBTOTAL ABOVE		**3833**	**3729**	**5452**	**3392**	**4068**	**4380**	**3792**						**28646**	**25025**
TOTAL MAN-MADE ABOVE		**33266**	**32864**	**36893**	**32264**	**29991**	**31131**	**30524**						**226933**	**218199**
OTHER MAN-MADE FIBER TOPS, YARN & THREAD															
YARN - PLIED															
TEXTURED - CELLULOSIC	310.1506	0	0	◆	0	0	0	2						2	30
- NONCELLULOSIC	310.1015[d] & .1205[e]	142	337	593	392	244	487	299						2494	5860
OTHER - CELLULOSIC	310.1030 & .1535[f]	8	85	7	43	19	72	12						246	26
- NONCELLULOSIC	310.1050 & .1070[g]	336	339	306	285	157	214	252						1889	395
SPUN YARN - CELLULOSIC	310.4005 & .4030[h]	151	112	165	134	60	143	165						930	1544
- OTHER	310.4015 & .4027[i]	2574	3765	3232	3780	4318	3892	3561						25122	26327
OTHER YARNS - NES, INCL. CHENILLE	310.6034 - .8000	1493	1673	1629	2004	1943	2792	2993						14527	8776
HANDWORK YARNS & SEWING THREAD	310.9000 & .9310[j]	831	662	217	690	689	915	811						4815	2915
SLIVER, TOPS & ROVING	309.9000	383	279	281	607	585	1021	594						3750	2006
TEXTILE GLASS FIBER	309.2800 & .2900[k]	1431	1672	1653	2285	1279	2046	2459						12825	15895
GRAND TOTAL ABOVE		**40615**	**41788**	**44976**	**42484**	**39285**	**42713**	**41672**						**293533**	**281973**

SOURCE: U.S. Census Bureau Report IM145X.

NES Not elsewhere specified.

◆ Denotes a quantity which is less than 1 thousand pounds.

* These items are not reported by the Census as cellulosic vs. noncellulosic. Separation of cellulosic and noncellulosic quantities are estimated, based primarily on average declared value.

a. Also includes 310.0610.

b. Also includes 310.0550, .0630 & .0650.

c. Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.

d. There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

e. Also includes 310.1210.

f. Also includes 310.2110.

g. Also includes 310.1510, .1514, .1550, 1555, .1570, .2050, .2130 & .2150.

h. Also includes 310.5005 & .5030.

i. Also includes 310.4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051.

j. Also includes 310.9320 & .9500.

k. Chiefly roving. Also includes 309.9800 & .9900.

TABLE 13:
U.S. EXPORTS OF MAN-MADE FIBERS
THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/87	1987												YEAR TO DATE	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1987	1986
CELLULOSIC FIBERS															
FILAMENT YARN [a]															
TEXTURED	310.0004	43	100	101	24	17	12	36						333	67
OTHER [b]	310.0026	475	365	639	468	654	306	503						3410	4270
MONOFILAMENTS	309.0110	0	0	0	2	0	+	39						41	64
STRIPS	309.2210	1	1	40	2	13	0	3						60	14
SUBTOTAL ABOVE		**519**	**466**	**780**	**496**	**684**	**318**	**581**						**3844**	**4415**
STAPLE+TOW-RAYON	309.4222	3930	1732	3107	2705	2582	2700	4047						20803	18016
STAPLE-ACETATE	309.4219	33	112	156	112	215	164	144						936	1011
SUBTOTAL ABOVE		**3963**	**1844**	**3263**	**2817**	**2797**	**2864**	**4191**						**21739**	**19027**
WASTE, ADVANCED&NOT ADVANCED	309.7400	**231**	**169**	**47**	**134**	**52**	**35**	**50**						**718**	**1153**
NONCELLULOSIC FIBERS															
YARN - SINGLES															
NYLON - TEXTURED	310.0005 & .0007	2678	2441	2542	2077	2760	3503	2614						18615	13769
- HIGH TENACITY [c]	310.0027	7294	6373	5419	6719	7072	5385	8394						46656	42365
- OTHER	310.0029	636	684	605	753	883	1054	571						5186	6024
POLYESTER - TEXTURED	310.0010	2151	2949	3145	2473	2079	1983	1523						16303	56113
- HIGH TENACITY [c]	310.0032	1691	1913	2308	1475	1806	2286	3231						14710	14424
- OTHER [d]	310.0034	160	233	152	75	201	161	122						1104	1694
OTHER - TEXTURED	310.0014	1053	1386	1502	1133	1406	1995	1520						9995	15451
- OLEFIN	310.0040	74	35	53	55	16	72	18						323	1378
- OTHER	310.0044	389	577	654	748	445	737	488						4038	3654
MONOFILAMENTS, ALL DENIERS															
NYLON	309.0120	416	687	641	417	553	676	370						3760	2838
POLYESTER	309.0140	322	523	524	587	1447	1142	954						5499	3467
OTHER	309.0170	478	492	875	480	718	656	502						4201	2602
STRIPS	309.2220 & .2270	259	424	470	342	537	360	203						2595	2238
SUBTOTAL ABOVE		**17601**	**18717**	**18890**	**17334**	**19923**	**20010**	**20510**						**132985**	**166017**
STAPLE - NYLON	309.4240	2060	1757	2615	1445	2092	1258	1694						12921	7947
- POLYESTER	309.4242	18819	17019	16575	14494	13960	15011	11006						106884	57756
- ACRYLIC	309.4245	4792	3355	2531	2440	4482	5365	4746						27711	37245
- OLEFIN	309.4246	1893	2016	2642	2075	1583	1203	1849						13261	7623
- OTHER	309.4247	1004	3194	2027	2959	4586	7965	2919						24654	10185
GROUPED FILAMENTS															
NYLON	309.3220	283	737	386	275	259	470	401						2811	3517
POLYESTER [d]	309.3240	1941	1832	1578	2318	1728	1811	1233						12441	11476
ACRYLIC	309.3250 & .3255	1653	2207	1805	1980	329	1768	2395						12137	14405
SUBTOTAL ABOVE		**32445**	**32117**	**30159**	**27986**	**29019**	**34851**	**26243**						**212820**	**150154**
WASTE, ADVANCED&NOT ADVANCED															
- NYLON	309.7620	1021	1143	1095	1164	1260	1066	225						6974	3838
- POLYESTER	309.7630	2830	4649	5303	5570	5293	4829	3927						32401	34149
- ACRYLIC	309.7640	1086	1362	1545	432	428	701	456						6010	4046
- OTHER	309.7660	2543	3090	5034	2174	2633	3380	1485						20339	24244
SUBTOTAL ABOVE		**7480**	**10244**	**12977**	**9340**	**9614**	**9976**	**6093**						**65724**	**66277**
TOTAL MAN-MADE ABOVE		**62239**	**63557**	**66116**	**58107**	**62089**	**68054**	**57668**						**437830**	**407043**
TEXTILE GLASS FIBER	309.2700 & .9700	5992	6585	7160	7265	7967	7821	6250						49040	33220
GRAND TOTAL ABOVE		**68231**	**70142**	**73276**	**65372**	**70056**	**75875**	**63918**						**486870**	**440263**

SOURCE: U.S. Census Bureau Report EM522.

+ Denotes a quantity which is less than 1 thousand pounds.

a. Includes thrown, singles and plied yarn.

b. Includes rayon tire cord and cord fabric.

c. Includes noncellulosic tire cord and cord fabric.

d. Includes zero twist yarns.

TABLE 14:
FILAMENT YARN DOMESTIC SHIPMENTS [a]

MILLION POUNDS

(C) CELLULOSIC YARN [j]   (N) NYLON   (P) POLYESTER   (O) OLEFIN

ITEM		ANNUAL DATA				QUARTERLY DATA							
						1986				1987			
		1983	1984	1985	1986	1ST Q	2ND Q	3RD Q	4TH Q	1ST Q	2ND Q	3RD Q	4TH Q
HOSIERY [b]	N	104.3	101.5	98.1	95.1	26.5	25.3	22.8	20.5	23.6	23.5		
OTHER CIRCULAR KNIT [c]	N	24.5	17.6	12.9	21.3	4.3	6.0	4.0	7.0	7.7	7.0		
	P	293.7	174.7	151.2	150.3	38.6	37.4	37.3	37.0	28.8	38.0		
	C	2.1	2.3	2.6	2.0	0.6	0.6	0.6	0.2	0.4	0.3		
FLAT KNIT	C	79.1	67.2	53.0	47.8	11.4	13.7	11.7	11.0	8.7	8.1		
	N	162.2	135.2	143.6	133.8	36.8	33.2	32.5	31.3	32.0	32.6		
	P	116.6	137.3	160.8	167.1	38.7	38.9	44.5	45.0	37.1	40.0		
CARPET FACE	N	734.6	770.2	815.4	881.4	207.0	217.8	235.6	221.0	228.5	235.4		
	O	147.2	154.1	202.1	215.7	49.7	50.5	53.9	61.6	58.4	60.8		
CARPET BACKING [d]	O	198.8	227.8	354.6	404.1	89.1	98.0	99.4	117.6	98.1	106.9		
OTHER BROAD WOVEN [e]	C	113.6	108.8	111.3	126.3	31.9	31.9	31.7	30.8	26.3	31.7		
	N	83.6	90.7	71.4	76.2	20.2	19.7	18.0	18.3	17.7	19.6		
	P	489.9	392.2	420.1	344.4	87.1	77.5	89.3	90.5	95.1	98.5		
	O	201.1	190.3	225.7	271.5	61.4	66.7	69.3	74.1	68.9	77.1		
NARROW WOVEN [f]	C	1.7	0.7	1.5	2.0	0.9	0.2	0.3	0.6	0.4	0.4		
	N	35.3	39.9	31.1	33.9	8.0	8.6	8.5	8.8	10.2	11.3		
	P	35.5	38.7	40.0	44.0	11.5	10.7	10.9	10.9	12.7	17.1		
	O	15.0	14.9	15.2	17.5	4.5	4.5	4.4	4.1	4.1	3.6		
TIRES, INCL. CHAFER [k]	N	145.5	172.9	146.0	134.2	35.8	33.5	30.5	34.4	38.8	32.5		
	P	174.1	174.4	155.5	159.3	44.7	37.4	39.5	37.7	41.1	41.5		
OTHER RUBBER INDUSTRY [g k]	N	16.3	20.9	15.3	15.2	4.2	3.6	4.0	3.4	3.8	4.4		
	P	27.8	32.7	31.2	27.2	2.9	8.4	8.2	7.7	8.6	8.8		
ROPE, CORDAGE & FISHLINE	N	31.7	35.0	35.3	36.4	9.6	9.5	8.4	8.9	9.2	9.8		
	P	12.2	15.7	13.8	13.0	3.4	3.4	2.9	3.3	3.4	3.1		
	O	95.5	106.9	108.2	106.3	27.0	28.2	23.4	27.7	25.0	28.2		
ALL OTHER [h]	C	1.1	1.1	18.7	14.0	3.8	4.0	3.4	2.8	3.4	3.1		
	N	54.4	54.2	48.3	52.1	11.0	11.5	13.4	16.2	17.8	18.7		
	P	144.6	179.2	231.7	187.1	57.9	39.8	41.1	48.3	41.0	39.2		
	O	41.0	31.6	31.8	34.1	9.6	10.5	7.4	6.6	7.0	5.2		
TOTAL ABOVE	**C**	**197.6**	**180.1**	**187.1**	**192.1**	**48.6**	**50.4**	**47.7**	**45.4**	**39.2**	**43.6**		
	N	**1392.4**	**1438.1**	**1417.4**	**1479.6**	**363.4**	**368.7**	**377.7**	**369.8**	**389.3**	**394.8**		
	P	**1294.4**	**1144.9**	**1204.2**	**1092.4**	**284.8**	**253.5**	**273.7**	**280.4**	**267.8**	**286.2**		
	O	**698.6**	**725.6**	**937.6**	**1049.2**	**241.3**	**258.4**	**257.8**	**291.7**	**261.5**	**281.8**		
TOTAL DOMESTIC		**3583.0**	**3488.7**	**3746.3**	**3813.3**	**938.1**	**931.0**	**956.9**	**987.3**	**957.8**	**1006.4**		
ALSO DIVIDED AS													
APPAREL		*1257.5*	*1072.1*	*1064.7*	*949.4*	*247.4*	*236.3*	*231.0*	*234.7*	*223.6*	*248.1*		
HOME FURNISHINGS		*1328.7*	*1354.2*	*1624.9*	*1746.8*	*405.5*	*419.7*	*454.8*	*466.8*	*444.1*	*467.1*		
INDUSTRIAL		*996.8*	*1062.4*	*1056.7*	*1117.1*	*285.2*	*275.0*	*271.1*	*285.8*	*290.1*	*291.2*		
SHIPMENTS OF FEED & PRODUCER-TEXTURED YARN (NONCARPET) [i]													
NYLON		127.1	118.7	114.9	115.8	29.7	31.3	28.5	26.3	NA	NA		
POLYESTER		832.4	675.5	776.3	634.6	168.9	144.0	158.1	163.6	149.3	165.8		
OLEFIN		28.0	23.3	22.3	22.9	5.1	5.8	5.9	6.1	6.1	6.9		

NA No longer available.

a. Filament yarn plus monofilament shipments by primary trade or end use; olefin includes spunbonded polypropylene but does not include spunbonded polyethylene.

b. Small quantities of polyester and cellulosic yarn are included in All Other.

c. Small quantities of olefin are included in All Other.

d. Small quantities of nylon and polyester are included in All Other.

e. Other Broad Woven except carpets, tire fabric, flat belting, etc.

f. Narrow Woven includes apparel ribbons and braids, auto seat belts and/or furniture webbing.

g. Small quantities of olefin are included in All Other.

h. All Other includes sewing thread and other industrial applications. The olefin quantities include sliver knit backing. Also includes indirect exports.

i. These quantities are included in the Total Domestic area above.

j. Data prior to 1985: acetate yarn only. Data for 1985-1987: acetate and rayon yarn.

k. Cellulosic yarn quantities included in All Other.

TABLE 15:
STAPLE+TOW DOMESTIC SHIPMENTS

MILLION POUNDS

ITEM		ANNUAL DATA				QUARTERLY DATA							
						1986				1987			
		1983	1984	1985	1986	1ST Q	2ND Q	3RD Q	4TH Q	1ST Q	2ND Q	3RD Q	4TH Q
(R) RAYON	*(N) NYLON*		*(A) ACRYLIC+MODACRYLIC*				*(P) POLYESTER*			*(O) OLEFIN*			
HOSIERY, SWEATERS & CRAFT YARNS[a]	A	237.3	204.8	197.2	228.8	57.2	62.1	54.9	54.6	57.0	51.4		
	NPR	9.5	6.6	5.5	5.1	1.4	1.2	1.4	1.1	0.8	0.8		
PILE FABRICS[b]	A	33.0	30.0	24.5	23.2	6.0	6.6	6.2	4.4	5.6	5.7		
	P	18.2	18.4	14.9	15.0	4.1	3.5	3.9	3.5	4.4	5.1		
OTHER CIRCULAR KNIT + FLAT KNIT[c]	R	3.5	4.3	5.5	4.7	1.1	1.1	1.1	1.4	1.2	1.3		
	A	129.5	118.5	139.1	196.3	38.7	55.6	56.7	45.3	55.7	53.8		
	P	354.4	283.0	295.5	367.8	87.9	89.2	89.7	101.0	115.2	117.6		
BLANKETS[b]	A	27.1	25.2	30.2	26.7	6.6	6.7	7.7	5.7	5.9	6.6		
	P	10.5	5.5	6.2	3.7	0.8	1.0	1.3	0.6	1.3	1.8		
OTHER BROAD WOVEN	R	182.1	177.7	174.9	218.0	53.9	53.2	55.1	55.8	52.9	55.2		
	N	59.0	42.5	37.4	37.0	10.0	9.7	8.6	8.7	9.2	8.1		
	A	32.5	29.5	38.2	35.3	9.8	8.4	8.4	8.7	9.9	10.9		
	P	1062.9	1039.1	864.9	885.6	226.8	229.8	218.3	210.7	205.3	218.1		
	O	19.4	22.1	26.9	18.0	1.0	5.0	4.9	7.1	4.8	4.7		
CARPET FACE YARNS[f]	R	0.2	0.3	0.5	0.4	0.1	0.2	+	0.1	+	+		
	N	815.2	751.0	773.9	837.8	180.1	188.6	240.8	228.3	230.2	239.3		
	P	139.0	131.4	126.8	145.0	31.3	38.4	36.9	38.4	46.8	50.7		
	O	93.6	96.5	107.4	117.2	25.4	30.4	28.1	33.3	24.3	28.9		
FIBERFILL[d]	P	275.4	276.1	281.1	294.9	71.6	69.1	74.4	79.8	88.9	80.7		
FLOCK	NP	10.6	9.2	5.3	5.9	1.6	1.4	1.2	1.7	1.6	1.0		
	R	3.2	2.7	1.8	1.8	0.6	0.4	0.5	0.3	0.5	0.4		
NONWOVENS[e][f]	R	119.0	126.3	113.5	125.4	31.7	33.2	32.9	27.6	31.1	28.6		
	N	4.9	2.8	2.5	2.1	0.5	0.5	0.5	0.5	0.4	0.4		
	P	177.4	177.2	162.5	175.3	46.5	41.4	42.4	45.0	48.7	47.7		
	VINYON+O	61.5	119.2	135.8	166.2	42.3	45.2	41.1	37.6	49.4	50.4		
ALL OTHER	R	23.8	18.8	25.9	20.8	3.7	3.5	5.0	8.6	6.0	5.3		
	N	5.2	9.4	11.2	11.9	2.9	3.0	3.0	3.0	4.6	4.4		
	A	32.8	38.7	29.5	20.9	4.8	4.3	4.8	7.0	5.3	3.2		
	P	55.8	56.2	116.9	108.3	29.3	26.7	28.6	23.7	23.3	27.6		
	VINYON+O	8.9	3.1	9.6	11.3	5.2	2.0	2.3	1.8	2.6	1.7		
TOTAL ABOVE	**R**	**333.5**	**331.9**	**323.7**	**373.0**	**91.6**	**92.0**	**95.1**	**94.3**	**91.8**	**91.0**		
	N	**897.1**	**814.4**	**830.3**	**894.9**	**195.2**	**203.2**	**254.3**	**242.2**	**246.2**	**253.2**		
	A	**492.2**	**446.7**	**458.7**	**531.2**	**123.1**	**143.7**	**138.7**	**125.7**	**139.4**	**131.6**		
	P	**2099.2**	**1992.2**	**1872.7**	**1998.6**	**499.1**	**499.9**	**496.3**	**503.3**	**534.4**	**549.9**		
	VINYON+O	**183.4**	**240.9**	**279.7**	**312.7**	**73.9**	**82.6**	**76.4**	**79.8**	**81.1**	**85.7**		
TOTAL DOMESTIC		**4005.4**	**3826.1**	**3765.1**	**4110.4**	**982.9**	**1021.4**	**1060.8**	**1045.3**	**1092.9**	**1111.4**		
ALSO DIVIDED AS													
APPAREL		*1461.3*	*1277.1*	*1255.0*	*1489.3*	*363.6*	*390.5*	*372.6*	*362.6*	*386.0*	*388.9*		
HOME FURNISHINGS		*1630.0*	*1559.0*	*1536.9*	*1625.8*	*371.0*	*385.1*	*436.8*	*432.9*	*425.1*	*450.6*		
INDUSTRIAL		*914.1*	*992.1*	*973.2*	*995.3*	*248.3*	*245.8*	*251.4*	*249.8*	*281.8*	*271.9*		

a. Olefin quantities are included in All Other.
b. Rayon and nylon quantities are included in All Other.
c. Nylon quantities are included in All Other.
d. Rayon, acrylic and nylon quantities are included in All Other.
e. Wet & dry laid and needled batts only.
f. Acrylic quantities are included in All Other.

TABLE 16:
SELECTED U.S. MONTHLY FIBER DATA
MILLION POUNDS

	1987												YEAR TO DATE[a]	
ITEM	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1987	1986
	MAN-MADE FIBER TOTAL SHIPMENTS[b c]													
YARN+MONOFILAMENTS														
CELLULOSIC YARN	14.6	13.7	15.9	16.5	16.1	16.9	14.6	14.8					123.1	143.8
NYLON[d] - INDUSTRIAL[e]	31.0	32.8	30.6	29.5	35.7	30.0	30.6	31.2					251.4	218.6
- CARPET	75.1	77.6	79.9	76.9	86.2	78.5	80.4	82.5					637.1	588.9
- TEXTILE[g]	30.5	30.4	33.5	32.1	32.4	31.4	31.1	31.5					252.9	242.5
POLYESTER - INDUSTRIAL[e]	26.6	27.6	29.4	27.7	28.0	26.9	26.1	30.0					222.3	206.7
- TEXTILE[g]	63.3	64.0	72.3	75.7	73.6	71.7	72.3	65.5					558.4	566.5
OLEFIN[f]	92.3	87.6	84.3	88.9	91.4	103.2	83.2	99.1					730.0	670.8
TOTAL NONCELLULOSIC ABOVE	318.8	320.0	330.0	330.8	347.3	341.7	323.7	339.8					2652.1	2494.0
STAPLE+TOW+FIBERFILL														
RAYON	34.1	29.7	36.1	33.2	31.6	34.4	33.6	37.0					269.7	265.9
NYLON[d]	84.1	81.2	86.2	88.7	91.1	78.4	81.6	84.2					675.5	571.1
ACRYLIC+MODACRYLIC	49.2	50.7	54.2	51.2	52.3	45.1	47.5	50.0					400.2	413.8
POLYESTER	184.8	192.2	205.6	195.1	193.4	208.4	181.6	186.5					1547.6	1389.9
OLEFIN+VINYON[h]	28.2	27.9	31.9	31.1	30.0	30.3	26.9	32.0					238.3	220.6
TOTAL NONCELLULOSIC ABOVE	346.3	352.0	377.9	366.1	366.8	362.2	337.6	352.7					2861.6	2595.4
	MAN-MADE FIBER END-OF-MONTH STOCK													
YARN+MONOFILAMENTS														
CELLULOSIC YARN	17.9	18.2	16.8	15.2	14.7	14.0	14.0	13.3					13.3	13.3
NYLON[d] - INDUSTRIAL[e]	29.2	24.9	26.7	29.0	27.0	25.8	26.5	24.9					24.9	33.6
- CARPET	56.6	55.5	52.3	52.4	48.3	47.7	52.7	49.3					49.3	51.0
- TEXTILE[g]	49.6	49.4	46.5	47.2	47.6	46.8	48.6	47.0					47.0	44.9
POLYESTER - INDUSTRIAL[e]	30.6	30.0	27.8	29.0	28.5	29.4	31.6	28.1					28.1	32.9
- TEXTILE[g]	85.6	88.8	87.6	83.2	80.0	85.7	85.6	85.0					85.0	83.9
OLEFIN[f]	54.7	55.6	54.5	56.3	56.0	54.9	57.0	56.2					56.2	63.4
TOTAL NONCELLULOSIC ABOVE	306.3	304.2	295.4	297.1	287.4	290.3	302.0	290.5					290.5	309.7
STAPLE+TOW+FIBERFILL														
RAYON	24.3	26.1	23.8	24.7	25.9	25.1	25.0	21.2					21.2	19.5
NYLON[d]	59.3	53.8	58.7	57.7	56.4	61.5	66.9	61.6					61.6	68.4
ACRYLIC+MODACRYLIC	68.2	67.9	67.8	70.1	71.6	78.2	73.9	70.0					70.0	56.9
POLYESTER	178.0	169.8	162.3	162.4	171.7	161.6	182.1	180.6					180.6	162.4
OLEFIN+VINYON[h]	33.3	32.6	31.0	30.3	30.8	31.9	34.5	32.9					32.9	30.6
TOTAL NONCELLULOSIC ABOVE	338.8	324.1	319.8	320.5	330.5	333.2	357.4	345.1					345.1	318.3
	WOOL & COTTON CONSUMPTION													
APPAREL CLASS WOOL	13.8	13.1	15.0	13.8	13.4	13.8	10.5						93.4	91.6
CARPET CLASS WOOL	0.8	0.8	1.2	1.3	1.3	0.8	1.2						7.4	5.6
TOTAL RAW WOOL	14.6	13.9	16.2	15.1	14.7	14.6	11.7						100.8	97.2
RAW COTTON	302.3	281.8	341.4	301.8	308.4	328.2	261.6						2125.5	1831.5

a. "Year-to-date" totals for stock, are the latest month's figures.

b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

c. Producers' total domestic shipments plus export shipments.

d. Data for nylon exclude Aramid.

e. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

f. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.

g. Low denier industrial nylon and polyester included with Textile.

h. 1987 data exclude Vinyon.

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Highlights

- Mill Consumption in U.S., Japan and EEC Countries . . . see page 230.
- U.S. Man-Made Fiber Textile Trade Balance: An Overview . . . see page 232.
- January-August 1987 Exports of Man-Made Fiber up 9.4% . . . see page 244.
- January-August 1987 Imports of Man-Made Fiber up 5.2% . . . see page 245.

SHIPMENTS:

Total shipments of noncellulosic yarn & monofilaments were 356.5 million pounds in September, up 4.9% from 339.8 million pounds in August. In the first nine months of 1987, shipments totaled 3,008.6 million pounds, 6.4% greater than in the corresponding 1986 period.

September shipments of noncellulosic staple+tow at 372.2 million pounds were 5.5% above August shipments, while January-September 1987 shipments of 3,233.8 million pounds were up 9.4% from the first nine months of 1986.

In September, nylon yarn shipments, for both carpet and textile end uses, increased to the highest level this year, 88.1 and 34.9 million pounds, respectively. September shipments of olefin yarn at 101.5 million pounds were up 2.4% from August, while polyester staple at 208.3 million pounds increased 11.7%.

Declines in September were noted in nylon yarn industrial shipments, off 5.1% from August to 29.6 million pounds, and in acrylic+modacrylic staple & tow which fell 5.4% to 47.3 million pounds.

TABLE 1:
TOTAL U.S. MAN-MADE FIBER SHIPMENTS

MILLION POUNDS & *PERCENT CHANGE*

ITEM	1987 SEPT	1987 AUG	% CHG 8/87-9/87	1986 SEPT	% CHG 9/86-9/87	YEAR TO DATE 1987	YEAR TO DATE 1986	% CHG YTD 1986-1987
YARN+MONOFILAMENTS								
CELLULOSIC YARN	16.9	14.8	*+14.2*	17.6	*-4.0*	140.0	161.4	*-13.3*
NYLON[a] - INDUSTRIAL	29.6	31.2	*-5.1*	25.7	*+15.2*	281.0	244.3	*+15.0*
- CARPET	88.1	82.5	*+6.8*	83.9	*+5.0*	725.2	672.8	*+7.8*
- TEXTILE [b]	34.9	31.5	*+10.8*	30.2	*+15.6*	287.8	272.7	*+5.5*
POLYESTER - INDUSTRIAL	30.8	30.0	*+2.7*	26.4	*+16.7*	253.1	233.1	*+8.6*
- TEXTILE [b]	71.6	65.5	*+9.3*	72.3	*-1.0*	630.0	638.8	*-1.4*
OLEFIN	101.5	99.1	*+2.4*	94.6	*+7.3*	831.5	765.4	*+8.6*
TOTAL NONCELLULOSIC ABOVE	356.5	339.8	*+4.9*	333.1	*+7.0*	3008.6	2827.1	*+6.4*
STAPLE+TOW+FIBERFILL								
RAYON	39.8	37.0	*+7.6*	33.3	*+19.5*	309.5	299.2	*+3.4*
NYLON [a]	84.1	84.2	*-0.1*	91.4	*-8.0*	759.6	662.5	*+14.7*
ACRYLIC+MODACRYLIC	47.3	50.0	*-5.4*	55.8	*-15.2*	447.5	469.6	*-4.7*
POLYESTER	208.3	186.5	*+11.7*	187.7	*+11.0*	1755.9	1577.6	*+11.3*
OLEFIN+VINYON [c]	32.5	32.0	*+1.6*	26.1	*+24.5*	270.8	246.7	*+9.8*
TOTAL NONCELLULOSIC ABOVE	372.2	352.7	*+5.5*	361.0	*+3.1*	3233.8	2956.4	*+9.4*

[a] Nylon excludes Aramid.
[b] Includes low denier industrial nylon and polyester yarn.
[c] 1987 data exclude Vinyon.

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U.S. MILL CONSUMPTION INCREASED IN 1986

U.S. mill consumption of man-made, cotton and wool fibers rose 8.7% to 11,917 million pounds in 1986 from 10,967 million pounds in 1985. Man-made fiber, which represented 70.9 % of the total fibers consumed, increased 5.2% to 8,454 million pounds. Cotton consumption rose 18.0% to 3,298 million pounds, while wool recorded a gain of 22.2% to 165 million pounds. Japan reported a decline in the 1985-1986 comparison. According to Japan Chemical Fibers Association, Japan's mill consumption in 1986 was down 3.3% including a 5.8% decline in man-made fiber. Latest data available from C.I.R.F.S. for the EEC countries are the years 1979 through1985 only. 1985 mill consumption for all fibers increased 3.6%, including man-made fibers which gained 6.7%. (See Table 2)

FIRST NINE MONTHS 1987 FIBER SHIPMENTS INCREASED

In the January-September 1987 period, total noncellulosic shipments were up 7.9% from the corresponding 1986 period. Yarn+monofilament shipments increased 6.4% to 3,008.6 million pounds, while shipments of staple+tow rose 9.4% to 3,233.8 million pounds. In terms of volume, polyester staple+tow was the leader in the first nine month comparison, up 11.3% to 1,755.9 million pounds. Second in volume shipped was nylon filament yarn at 1,294.0 million pounds, 8.8% ahead of the first nine months 1986. (See Table 1)

FIBER INVENTORIES DOWN IN SEPTEMBER

Ending in September, total noncellulosic fiber inventories declined 4.0% to 609.9 million pounds from 635.1 million pounds at the end of August. Yarn+monofilament inventories were down 3.4% to 280.1 million pounds, the lowest level in1987. Staple+tow inventories declined 4.4% to 329.8 million pounds, the lowest level since May of this year. (See Table 9)

EXPORTS OF MAN-MADE FIBERS UP 9.4%

In the January-August 1987 period, exports of man-made fibers increasd 9.4% to 500.3 million pounds from 457.5 million pounds in the same period a year ago. (See Table 13)

IMPORTS OF MAN-MADE FIBERS UP 5.2%

August man-made fibers imports were 35.0 million pounds and totaled 262.0 million pounds in the January-August 1987 period, an increse of 5.2% from 249.1 million pounds in the corresponding 1986 period. (See Table 14)

TABLE 2:
MILL CONSUMPTION OF MAN-MADE FIBER, COTTON & WOOL IN THE U.S., JAPAN AND EEC COUNTRIES
MILLION POUNDS & *PERCENT*

									MAN-MADE FIBER DETAIL							
	GRAND TOTAL		COTTON		WOOL		MAN-MADE FIBERS		CELLULOSIC				NONCELLULOSIC			
									TOTAL		YARN	STAPLE	TOTAL		YARN	STAPLE
YEAR	LBS	%[a]	LBS	%[a]	LBS	%[a]	LBS	%[a]	LBS	%[a]	LBS	LBS	LBS	%[a]	LBS	LBS
***U.S.A*[b]**																
1979	11723	*100*	3066	*26.2*	134	*1.1*	8523	*72.7*	831	*7.1*	357	474	7692	*65.6*	3818	3874
1980	11088	*100*	3064	*27.7*	138	*1.2*	7886	*71.1*	741	*6.7*	325	416	7145	*64.4*	3552	3593
1981	10605	*100*	2731	*25.8*	153	*1.4*	7721	*72.8*	714	*6.7*	284	430	7007	*66.1*	3502	3505
1982	9262	*100*	2479	*26.8*	130	*1.4*	6653	*71.8*	522	*5.6*	206	316	6131	*66.2*	2918	3213
1983	10954	*100*	2796	*25.5*	163	*1.5*	7995	*73.0*	599	*5.5*	242	357	7396	*67.5*	3434	3962
1984	10621	*100*	2668	*25.1*	163	*1.5*	7790	*73.4*	588	*5.6*	228	360	7202	*67.8*	3399	3803
1985	10967	*100*	2796	*25.5*	135	*1.2*	8036	*73.3*	546	*5.0*	201	345	7490	*68.3*	3664	3826
1986	11917	*100*	3298	*27.7*	165	*1.4*	8454	*70.9*	608	*5.1*	209	399	7846	*65.8*	3747	4099
***JAPAN*[c]**																
1979	5185	*100*	1609	*31.0*	376	*7.3*	3200	*61.7*	639	*12.3*	172	467	2561	*49.4*	1290	1271
1980	4862	*100*	1576	*32.4*	307	*6.3*	2979	*61.3*	549	*11.3*	170	379	2430	*50.0*	1258	1172
1981	4676	*100*	1533	*32.8*	307	*6.6*	2836	*60.6*	525	*11.2*	155	370	2311	*49.4*	1206	1105
1982	4900	*100*	1724	*35.2*	349	*7.1*	2827	*57.7*	530	*10.8*	152	378	2297	*46.9*	1165	1132
1983	4636	*100*	1457	*31.4*	310	*6.7*	2869	*61.9*	531	*11.5*	137	394	2338	*50.4*	1197	1141
1984	4912	*100*	1553	*31.6*	363	*7.4*	2996	*61.0*	550	*11.1*	145	405	2446	*49.9*	1253	1193
1985	4819	*100*	1486	*30.9*	377	*7.8*	2956	*61.3*	535	*11.1*	143	392	2421	*50.2*	1236	1185
1986	4659	*100*	1534	*32.9*	340	*7.3*	2785	*59.8*	508	*10.9*	136	372	2277	*48.9*	1169	1108
***EEC*[d]**																
1979	8181	*100*	2093	*25.6*	964	*11.8*	5124	*62.6*	1218	*14.9*	409	809	3906	*47.7*	1543	2363
1980	7447	*100*	1996	*26.8*	958	*12.9*	4493	*60.3*	1075	*14.4*	367	708	3418	*45.9*	1364	2054
1981	7187	*100*	1828	*25.4*	910	*12.7*	4449	*61.9*	985	*13.7*	317	668	3464	*48.2*	1379	2085
1982	6967	*100*	1943	*27.9*	827	*11.9*	4197	*60.2*	921	*13.2*	282	639	3276	*47.0*	1320	1956
1983	7246	*100*	1960	*27.1*	815	*11.2*	4471	*61.7*	911	*12.6*	274	637	3560	*49.1*	1398	2162
1984	7677	*100*	2063	*26.9*	876	*11.4*	4738	*61.7*	955	*12.4*	289	666	3783	*49.3*	1484	2299
1985	7951	*100*	2015	*25.3*	883	*11.1*	5053	*63.6*	1013	*12.8*	325	688	4040	*50.8*	1571	2469
1986							DATA NOT AVAILABLE									

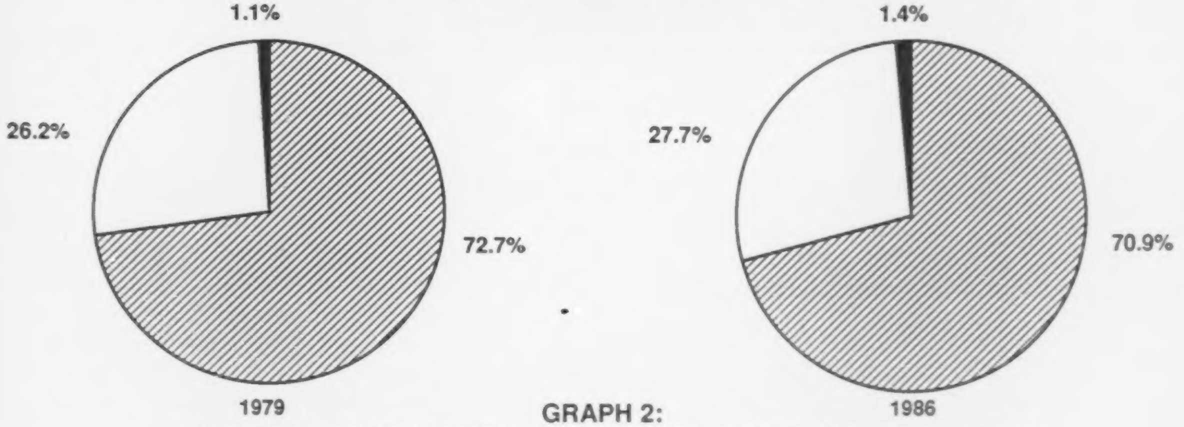
a. The percentages in these columns show the share of each fiber in the specified year. They add to the 100% shown in each of the Grand Total Columns.

b. Mill Consumption is taken from pages 74 and 75 of the 1987 April ***Organon.*** Textile Glass and Other Fibers are excluded.

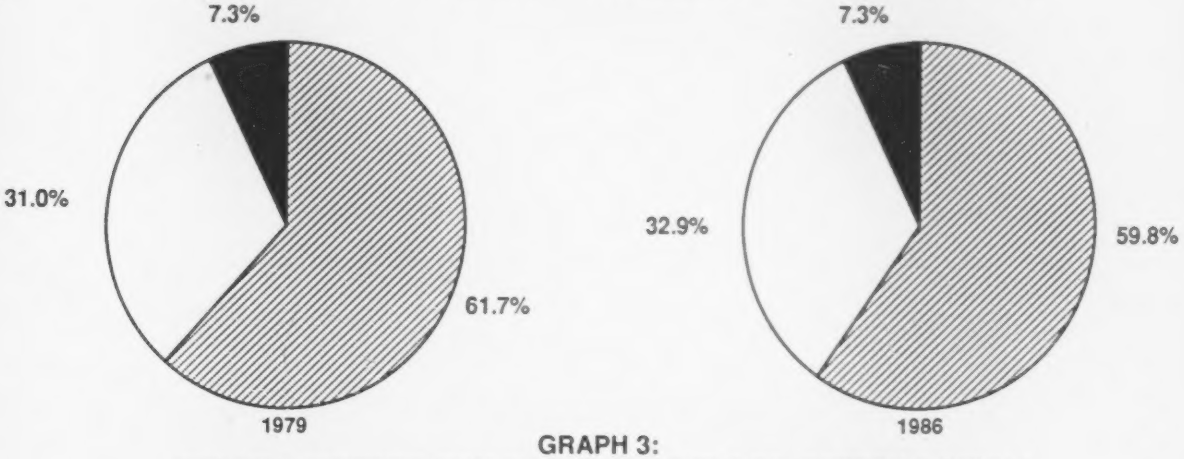
c. **Source:** Japan Chemical Fibers Association.

d. **Source:** C.I.R.F.S. The EEC Countries in this table are: Belgium, France, Italy, Luxembourg, Netherlands, Germany, Fed. Rep. and the U.K.

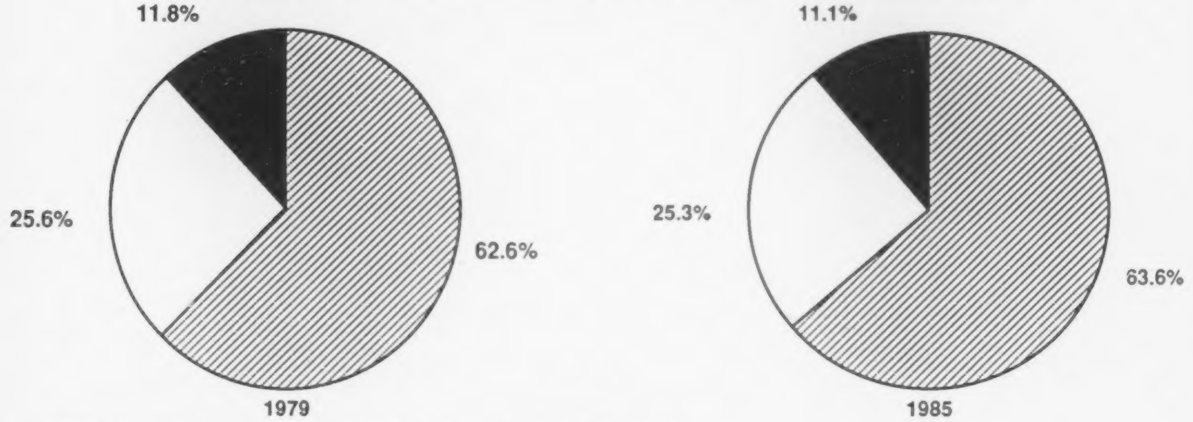
GRAPH 1:
U.S. MILL CONSUMPTION OF MAN-MADE FIBERS, COTTON & WOOL



GRAPH 2:
JAPAN MILL CONSUMPTION OF MAN-MADE FIBERS, COTTON & WOOL



GRAPH 3:
EEC MILL CONSUMPTION OF MAN-MADE FIBERS, COTTON & WOOL[a]



[a] 1986 Mill Consumption data of man-made fibers, cotton & wool is not available.

▨ MAN-MADE
☐ COTTON
■ WOOL

U.S. MAN-MADE FIBER TEXTILE TRADE BALANCE: AN OVERVIEW

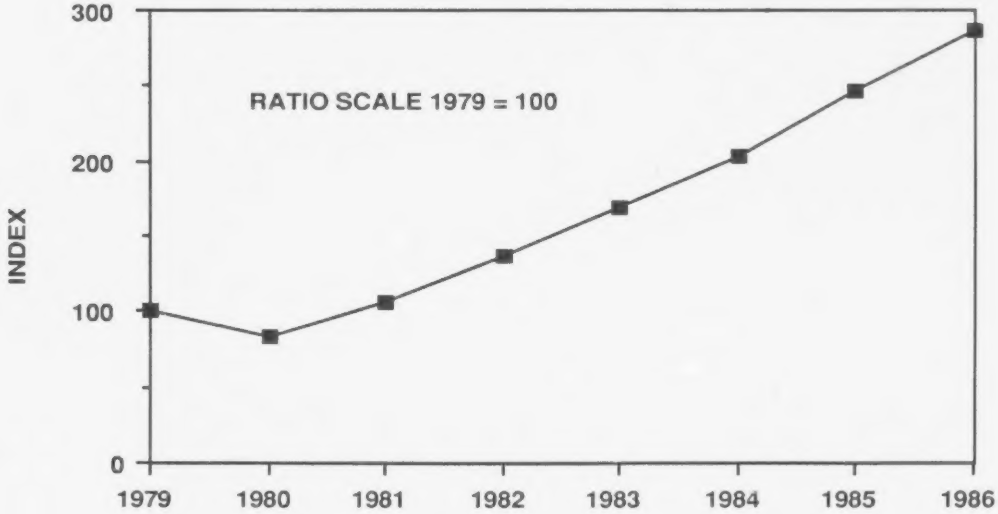
In 1986, the U.S. balance of trade in man-made fiber and manufactures continued to erode. Imports increased 14.5% from the previous year to 2,086.6 million pounds, while exports decreased to 8.5% to 1,204.6 million pounds. Hence, the trade balance dropped to a net import balance of 882.0 million pounds from the net export balance of 1,443.5 million pounds which occurred in 1980. (See Table 3)

Increasing garment imports continued to be the dominant factor in the rapid decline of the U.S. man-made fiber textile trade balance. In 1986, the U.S. garment import trade balance alone was 854.9 million pounds and represented 72% of the man-made fiber manufactures trade balance.

As Graph 4 depicts, an index of the U.S. garment import trade balance has increased sharply since 1980. With 1979 as the base point of 100, the 1980 index stood at 84 while the 1986 index rose to 286.

For man-made fibers alone, the U.S. posted a net export trade balance of 1,293.7 million pounds in 1981, which has fallen to a net export position of 301.6 million pounds in 1986, down 77%. For the balance of trade in manufactures less garments, there was a net import position starting in 1983 which has continued through 1986 when the trade balance totaled 330.1 million pounds. (See Tables 4A and 5A)

GRAPH 4:
INDEX OF U.S. GARMENT IMPORT TRADE BALANCE
1979 - 1986



NOTE: Indexed from import balance in million pounds from Table 5B.

GRAPH 5:
U.S. BALANCE OF TRADE IN MAN-MADE FIBER & MANUFACTURES
1979 - 1986

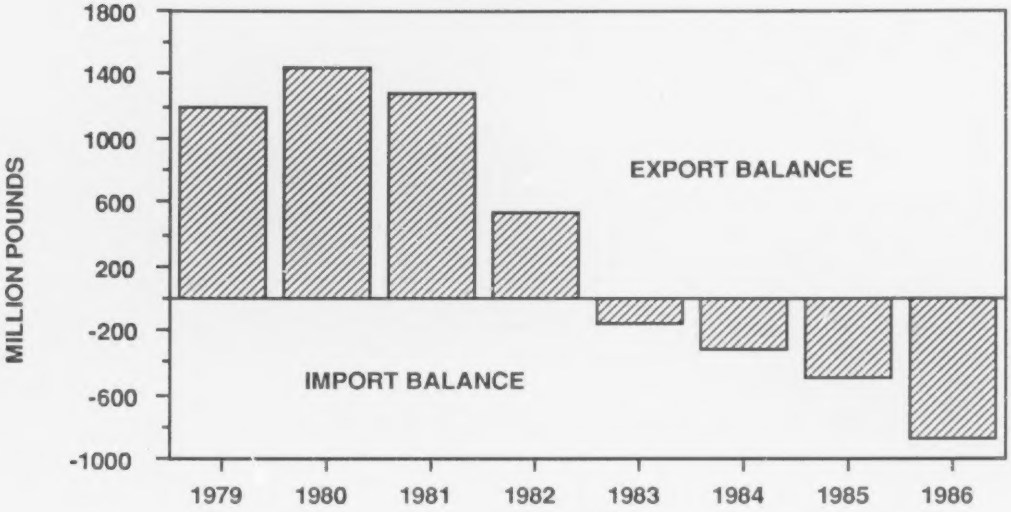


TABLE 3:
U.S. IMPORTS, EXPORTS & BALANCE IN MAN-MADE FIBER & MANUFACTURES
1979-1986
MILLION POUNDS

YEAR	IMPORTS	EXPORTS	BALANCE [a]	
1979	636.1	1830.3	1194.2	E
1980	636.3	2079.8	1443.5	E
1981	796.4	2088.7	1292.3	E
1982	831.5	1374.3	542.8	E
1983	1287.9	1130.8	157.1	I
1984	1641.8	1316.0	325.0	I
1985	1822.4	1316.8	505.6	I
1986	2086.6	1204.6	882.0	I

SOURCE: U.S. Census Bureau Report IM145X and EM546. U.S. Department of Agriculture, ***Cotton & Wool Outlook and Situation Report.***

a. I Import Balance. **E** Export Balance.

GRAPH 6:
U.S. BALANCE OF TRADE IN MAN-MADE FIBER VS. MAN-MADE FIBER MANUFACTURES
1979 - 1986

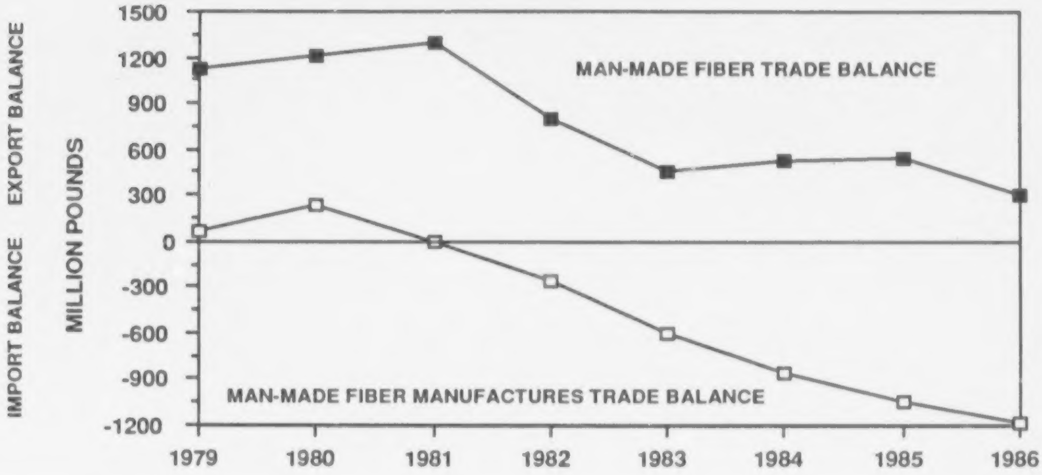


TABLE 4A:
U.S. IMPORTS, EXPORTS & BALANCE IN MAN-MADE FIBER
1979 -1986
MILLION POUNDS

YEAR	IMPORTS	EXPORTS	BALANCE [a]
1979	111.1	1233.7	1122.6 E
1980	95.7	1308.3	1212.6 E
1981	157.3	1451.0	1293.7 E
1982	133.5	935.8	802.3 E
1983	218.5	670.1	451.6 E
1984	299.2	828.1	528.9 E
1985	331.4	867.6	536.2 E
1986	383.7	685.3	301.6 E

TABLE 4B:
U.S. IMPORTS, EXPORTS & BALANCE IN MAN-MADE FIBER MANUFACTURES
1979-1986
MILLION POUNDS

YEAR	IMPORTS	EXPORTS	BALANCE [a]
1979	525.0	596.6	71.6 E
1980	540.6	771.5	230.9 E
1981	639.1	637.7	1.4 I
1982	698.0	438.5	259.5 I
1983	1069.4	460.7	608.7 I
1984	1342.0	488.0	854.0 I
1985	1491.0	449.2	1041.8 I
1986	1703.5	518.5	1185.0 I

SOURCE: U.S. Census Bureau Report IM145X and EM546. U.S. Department of Agriculture, *Cotton & Wool Outlook and Situation Report.*

a. I Import Balance. **E** Export Balance.

GRAPH 7:
U.S. IMPORT & EXPORT BALANCE IN MAN-MADE FIBER MANUFACTURES
1979 - 1986

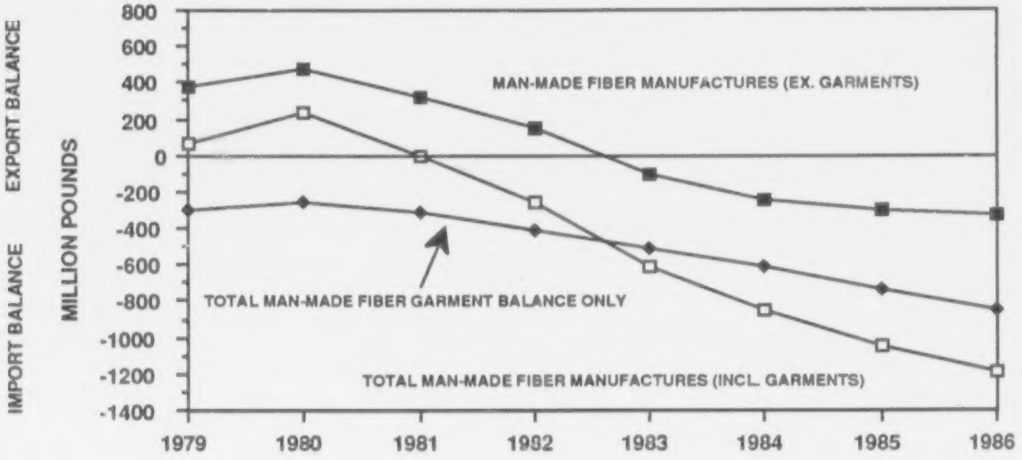


TABLE 5A:
U.S. IMPORTS, EXPORTS & BALANCE IN MAN-MADE FIBER MANUFACTURES (EXCLUDING TRADE IN GARMENTS)
1979-1986

MILLION POUNDS

YEAR	IMPORTS	EXPORTS	BALANCE [a]
1979	165.2	536.1	370.9 E
1980	162.0	644.4	482.4 E
1981	202.0	517.0	315.0 E
1982	211.5	363.3	151.8 E
1983	493.4	389.9	103.5 I
1984	653.1	408.6	244.5 I
1985	690.4	384.0	306.4 I
1986	773.6	443.5	330.1 I

TABLE 5B:
U.S. GARMENTS TRADE BALANCE
1979-1986

MILLION POUNDS

YEAR	BALANCE [a]
1979	299.3 I
1980	251.5 I
1981	316.4 I
1982	411.3 I
1983	505.2 I
1984	609.5 I
1985	735.4 I
1986	854.9 I

SOURCE: U.S. Census Bureau Report IM145X and EM546. U.S. Department of Agriculture, Cotton & Wool Outlook and Situation Report.

a. **I** Import Balance. **E** Export Balance.

TABLE 6:
U.S. IMPORTS, EXPORTS & BALANCE IN MAN-MADE FIBER & MANUFACTURES, COTTON MANUFACTURES & WOOL MANUFACTURES
THOUSAND POUNDS

	1983			1984			1985			1986		
PRODUCTS	**IMP**	**EXP**	**BAL** [a]	**IMP**	**EXP**	**BAL** [a]	**IMP**	**EXP**	**BAL** [a]	**IMP**	**EXP**	**BAL** [a]
RAYON+ACETATE												
YARN+MONOFILAMENTS	8693	15818	7125 E	9981	8834	1147 I	13923	10629	3294 I	16963	7346	9617 I
STAPLE+TOW	13588	43211	29623 E	16993	55972	38979 E	12308	37824	25516 E	17428	32566	15138 E
WASTE	277	1363	1086 E	530	1632	1102 E	479	1207	728 E	121	2222	2101 E
SUBTOTAL	**22558**	**60392**	**37834 E**	**27504**	**66438**	**38934 E**	**26710**	**49660**	**22950 E**	**34512**	**42134**	**7622 E**
NONCELLULOSIC FIBERS												
YARN+MONOFILAMENTS	48367	226678	178311 E	89992	242455	152463 E	104561	325803	221242 E	126057	255572	129515 E
STAPLE+TOW	101492	311766	210274 E	131159	429563	298404 E	159446	416512	257066 E	182790	263914	81124 E
WASTE	46089	71281	25192 E	50547	89659	39112 E	40673	75645	34972 E	40303	123696	83393 E
SUBTOTAL	**195948**	**609725**	**413777 E**	**271698**	**761677**	**489979 E**	**304680**	**817960**	**513280 E**	**349150**	**643182**	**294032 E**
TOTAL FIBER [b]	**218506**	**670117**	**451611 E**	**299202**	**828115**	**528913 E**	**331390**	**867620**	**536230 E**	**383662**	**685316**	**301654 E**
MAN-MADE FIBER MANUFACTURES [c]												
SLIVER, TOPS & ROVING	4907	4528	379 I	4689	5681	992 E	2057	8543	6486 E	3424	4632	1208 E
SPUN YARNS	38976	25682	13294 I	46265	26228	20037 E	45541	37748	7793 I	64540	38228	26312 I
THREAD & CRAFT YARNS	3442	5076	1634 E	5719	6419	700 E	9670	4773	4897 I	4730	5042	312 E
TIRE CORD & FABRIC	1273	23245	21972 E	466	31329	30863 E	915	30350	29435 E	2676	46290	43614 E
WOVEN FABRIC	123215	108661	14554 I	154947	109400	45547 I	186198	124873	61325 I	207180	134581	72599 I
KNIT FABRICS	2196	14237	12041 E	3043	12865	9822 E	9700	11832	2132 E	12496	11719	777 I
NARROW FABRICS	12699	25722	13023 E	12441	30331	17890 E	18449	21875	3426 E	25308	37949	12641 E
APPAREL - KNIT	241296	}70838	503549 I	270573	}79445	608023 I	341372	}65225	734878 I	431179	}74906	854452 I
- NOT KNIT	333091			416895			458731			498179		
HOME FURNISHINGS	}308395	125240	}125673 I	}427531	102770	}241361 I	}418393	70291	}274470 I	}453240	86817	}287282 I
OTHER		57482			83400			73632			79141	
TOTAL MANUFACTURES	**1069490**	**460711**	**608779 I**	**1342569**	**487868**	**854701 I**	**1491026**	**449142**	**1041884 I**	**1702952**	**519305**	**1183647 I**
TOTAL MAN-MADE FIBER & MANUFACTURES	**1287996**	**1130828**	**157168 I**	**1641771**	**1315983**	**325788 I**	**1822416**	**1316762**	**505654 I**	**2086614**	**1204621**	**881993 I**
COTTON MANUFACTURES [d]	**1135502**	**219614**	**915888 I**	**1465575**	**206081**	**1259494 I**	**1629166**	**213224**	**1415942 I**	**1910477**	**274828**	**1635649 I**
WOOL MANUFACTURES [e]	**149781**	**11579**	**138202 I**	**210165**	**12028**	**198137 I**	**264822**	**17761**	**247061 I**	**275623**	**16030**	**259593 I**

SOURCES: The man-made fiber import and export data are from the U.S. Census Bureau Reports IM146 and EM546.

The man-made, cotton and wool manufactures data are from U.S. Department of Agriculture ***"Cotton and Wool Outlook Situation."***

The total man-made fiber and manufactures import, export and balance data of this table cover the cellulosic and noncellulosic fibers only; textile glass fiber is excluded.

a. **E** Export Balance; **I** Import Balance.

b. The fibers included are shown as "Total Man-Made Fiber Above" on pages 242 and 243 of this issue.

c. Man-made fiber equivalent.

d. Raw cotton equivalent. Data are similiar to those on page 192 of the August 1987 ***ORGANON***.

e. Raw wool content. The data differ from those on page 192 of the August 1987 ***ORGANON*** to the extent that noils and waste are included here.

TABLE 7:
SUMMARY OF U.S. IMPORTS, EXPORTS & BALANCE IN MAN-MADE FIBERS & MANUFACTURES
MILLION POUNDS

ITEM	1983	1984	1985	1986
IMPORTS				
TOTAL FIBER[a]	218.5	299.2	331.4	383.7
TOTAL MANUFACTURES[b]	1069.5	1342.6	1491.0	1702.9
TOTAL IMPORTS	**1288.0**	**1641.8**	**1822.4**	**2086.6**
EXPORTS				
TOTAL FIBER[a]	670.1	828.1	867.6	685.3
TOTAL MANUFACTURES[b]	460.7	487.9	449.1	519.3
TOTAL EXPORTS	**1130.8**	**1316.0**	**1316.7**	**1204.6**
BALANCE[c]	157.2 I	325.8 I	505.7 I	882.0 I
U.S. PRODUCTION[d]	8401.9	8328.7	8390.3	8718.7
U.S. NET AVAILABLE	8559.1	8654.5	8896.0	9600.7
IMPORTS AS % OF PRODUCTION	*15.3*	*19.7*	*21.7*	*23.9*
EXPORTS AS % OF PRODUCTION	*13.5*	*15.8*	*15.7*	*13.8*

a. As shown in Total Fiber in Table 6, page 236 of this issue.

b. As shown in Total Manufactures in Table 6, page 236 of this issue.

c. E Export Balance; I Import Balance.

d. Production of yarn, monofilaments, staple+tow (excluding textile glass) and producers' shipments of waste from March 1987 ***Organon***, page 48.

TABLE 8:
U.S. GENERAL IMPORTS OF MAN-MADE FIBER APPAREL
MILLIONS OF EQUIVALENT SQUARE YARDS

COUNTRY	1982	1983	1984	1985	1986
FRANCE	2	4	5	7	6
ITALY	6	7	17	22	19
POLAND	3	3	5	4	4
ROMANIA	15	14	17	16	19
SPAIN	1	2	2	2	2
UNITED KINGDOM	1	2	4	7	8
OTHER EUROPE	3	5	15	25	36
TOTAL EUROPE	**31**	**37**	**65**	**83**	**94**
BARBADOS	6	8	4	6	5
BELIZE	2	2	+	4	4
COLOMBIA	5	5	7	8	9
COSTA RICA	19	24	25	23	27
DOMINICAN REPUBLIC	38	43	51	57	79
EL SALVADOR	1	1	1	2	3
HAITI	33	40	42	49	59
JAMAICA	2	3	5	8	17
MEXICO	42	40	56	80	75
OTHER AMERICAS	22	24	37	47	45
TOTAL AMERICAS	**170**	**190**	**228**	**284**	**323**
CHINA, PRC	192	213	231	240	406
HONG KONG	240	275	321	327	333
ISRAEL	4	4	4	10	12
JAPAN	26	35	53	72	57
KOREA, REP. OF	522	575	614	585	801
MACAO	21	25	34	28	36
PHILIPPINES	108	120	163	180	191
SINGAPORE	48	54	86	110	132
TAIWAN	660	750	793	805	832
THAILAND	37	46	77	88	52
OTHER AFRICA, ASIA & OCEANIA	40	56	167	258	339
TOTAL AFRICA, ASIA & OCEANIA	**1898**	**2153**	**2543**	**2703**	**3191**
GRAND TOTAL	**2099**	**2380**	**2836**	**3070**	**3608**

SOURCE: U.S. Department of Commerce - TQ 2310

+ Less than 1 million equivalent square yards.

TABLE 9:
SELECTED U.S. MONTHLY FIBER DATA
MILLION POUNDS

ITEM	1987 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE[a] 1987	1986
	MAN-MADE FIBER TOTAL SHIPMENTS[b c]													
YARN+MONOFILAMENTS														
CELLULOSIC YARN	14.6	13.7	15.9	16.5	16.1	16.9	14.6	14.8	16.9				140.0	161.4
NYLON[d] - INDUSTRIAL[e]	31.0	32.8	30.6	29.5	35.7	30.0	30.6	31.2	29.6				281.0	244.3
- CARPET	75.1	77.6	79.9	76.9	86.2	78.5	80.4	82.5	88.1				725.2	672.8
- TEXTILE[g]	30.5	30.4	33.5	32.1	32.4	31.4	31.1	31.5	34.9				287.8	272.7
POLYESTER - INDUSTRIAL[e]	26.6	27.6	29.4	27.7	28.0	26.9	26.1	30.0	30.8				253.1	233.1
- TEXTILE[g]	63.3	64.0	72.3	75.7	73.6	71.7	72.3	65.5	71.6				630.0	638.8
OLEFIN[f]	92.3	87.6	84.3	88.9	91.4	103.2	83.2	99.1	101.5				831.5	765.4
TOTAL NONCELLULOSIC ABOVE	**318.8**	**320.0**	**330.0**	**330.8**	**347.3**	**341.7**	**323.7**	**339.8**	**356.5**				**3008.6**	**2827.1**
STAPLE+TOW+FIBERFILL														
RAYON	34.1	29.7	36.1	33.2	31.6	34.4	33.6	37.0	39.8				309.5	299.2
NYLON[d]	84.1	81.2	86.2	88.7	91.1	78.4	81.6	84.2	84.1				759.6	662.5
ACRYLIC+MODACRYLIC	49.2	50.7	54.2	51.2	52.3	45.1	47.5	50.0	47.3				447.5	469.6
POLYESTER	184.8	192.2	205.6	195.1	193.4	208.4	181.6	186.5	208.3				1755.9	1577.6
OLEFIN+VINYON[h]	28.2	27.9	31.9	31.1	30.0	30.3	26.9	32.0	32.5				270.8	246.7
TOTAL NONCELLULOSIC ABOVE	**346.3**	**352.0**	**377.9**	**366.1**	**366.8**	**362.2**	**337.6**	**352.7**	**372.2**				**3233.8**	**2956.4**
	MAN-MADE FIBER END-OF-MONTH STOCK													
YARN+MONOFILAMENTS														
CELLULOSIC YARN	17.9	18.2	16.8	15.2	14.7	14.0	14.0	13.3	12.9				12.9	14.0
NYLON[d] - INDUSTRIAL[e]	29.2	24.9	26.7	29.0	27.0	25.8	26.5	24.9	22.8				22.8	30.5
- CARPET	56.6	55.5	52.3	52.4	48.3	47.7	52.7	49.3	45.2				45.2	46.4
- TEXTILE[g]	49.6	49.4	46.5	47.2	47.6	46.8	48.6	47.0	45.7				45.7	44.7
POLYESTER - INDUSTRIAL[e]	30.6	30.0	27.8	29.0	28.5	29.4	31.6	28.1	25.2				25.2	34.5
- TEXTILE[g]	85.6	88.8	87.6	83.2	80.0	85.7	85.6	85.0	87.2				87.2	80.7
OLEFIN[f]	54.7	55.6	54.5	56.3	56.0	54.9	57.0	55.7	54.0				54.0	60.6
TOTAL NONCELLULOSIC ABOVE	**306.3**	**304.2**	**295.4**	**297.1**	**287.4**	**290.3**	**302.0**	**290.0**	**280.1**				**280.1**	**297.4**
STAPLE+TOW+FIBERFILL														
RAYON	24.3	26.1	23.8	24.7	25.9	25.1	25.0	21.2	18.2				18.2	21.5
NYLON[d]	59.3	53.8	58.7	57.7	56.4	61.5	66.9	61.6	64.4				64.4	64.2
ACRYLIC+MODACRYLIC	68.2	67.9	67.8	70.1	71.6	78.2	73.9	70.0	68.7				68.7	52.9
POLYESTER	178.0	169.8	162.3	162.4	171.7	161.6	182.1	180.6	164.2				164.2	159.0
OLEFIN+VINYON[h]	33.3	32.6	31.0	30.3	30.8	31.9	34.5	32.9	32.5				32.5	32.4
TOTAL NONCELLULOSIC ABOVE	**338.8**	**324.1**	**319.8**	**320.5**	**330.5**	**333.2**	**357.4**	**345.1**	**329.8**				**329.8**	**308.5**
	WOOL & COTTON CONSUMPTION													
APPAREL CLASS WOOL	13.8	13.1	15.0	13.8	13.4	13.8	10.5						93.4	91.6
CARPET CLASS WOOL	0.8	0.8	1.2	1.3	1.3	0.8	1.2						7.4	5.6
TOTAL RAW WOOL	14.6	13.9	16.2	15.1	14.7	14.6	11.7						100.8	97.2
RAW COTTON	302.3	281.8	341.4	301.8	308.4	328.2	261.6	293.4					2418.9	2113.5

a. "Year-to-date" totals for stock, are the latest month's figures.

b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

c. Producers' total domestic shipments plus export shipments.

d. Data for nylon exclude Aramid.

e. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

f. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.

g. Low denier industrial nylon and polyester included with Textile.

h. 1987 data exclude Vinyon.

TABLE 10:
SELECTED U.S. EXPORTS BY COUNTRY OF DESTINATION
THOUSAND POUNDS

	A. CELLULOSIC YARN, MONO & STRIPS			B. NONCELLULOSIC TEXTILE YARN			C. NC INDUSTRIAL YARN, MONO & STRIPS			D. CELLULOSIC STAPLE+TOW			E. NONCELLULOSIC STAPLE+TOW		
COUNTRY	1985	1986	6 MOS. 1987	1985	1986	6 MOS. 1987	1985	1986	6 MOS. 1987	1985	1986	6 MOS. 1987	1985	1986	6 MOS. 1987
CANADA	3172	3719	1590	15849	18905	12260	8422	9320	5761	243	323	741	58372	58730	46378
COSTA RICA	46	0	0	2932	6454	2627	266	380	11	84	107	33	4141	1687	612
DOMINICAN REPUBLIC	10	2	85	2037	1642	1137	122	294	38	64	22	0	476	528	512
EL SALVADOR	14	2	0	3759	4873	696	622	729	331	0	241	10	5087	4488	1099
GUATEMALA	132	0	21	2428	1647	902	259	151	22	0	0	0	2710	2496	2747
HAITI	0	0	0	323	202	184	784	713	509	0	6	1	1	9	5
HONDURAS	0	0	0	238	1688	448	480	85	5	2	4	3	923	386	1052
JAMAICA	0	5	0	227	476	225	13	17	13	0	0	0	54	1	29
LEEWARD & WINDWARD ISL.	2	0	0	0	27	+	2	1	0	0	0	0	0	9	5
MEXICO	46	205	9	817	675	688	1663	1381	762	15171	9926	5632	4097	16576	14083
NICARAGUA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PANAMA	0	0	0	209	159	87	99	126	71	0	0	0	35	94	56
TRINIDAD	0	0	0	2	1	0	5	6	29	1	0	0	44	8	0
OTHER	0	0	0	+	1	1	3	2	5	1	+	0	4	30	10
NORTH AMERICA	**3422**	**3933**	**1705**	**28821**	**36750**	**19255**	**12740**	**13205**	**7557**	**15566**	**10629**	**6420**	**75944**	**85042**	**66588**
ARGENTINA	158	19	0	372	201	137	37	130	76	112	144	0	529	323	177
BOLIVIA	0	0	66	25	118	88	9	44	9	0	0	0	374	321	564
BRAZIL	0	132	85	1454	1586	540	1420	1474	628	48	66	220	637	1226	321
CHILE	0	6	0	160	509	118	43	214	74	828	2059	1156	6278	13893	7593
COLOMBIA	0	0	25	1285	884	295	354	520	609	2003	4215	2059	9377	13909	11710
ECUADOR	491	170	153	2042	1205	233	316	75	111	275	67	418	11651	8869	3910
PARAGUAY	0	0	0	0	9	0	0	0	0	14	0	0	0	9	0
PERU	3	4	1	118	167	117	306	1423	310	81	137	280	514	482	446
URUGUAY	15	0	169	154	175	38	1	6	3	0	0	12	292	371	193
VENEZUELA	60	7	0	1853	2254	768	601	435	35	15259	8346	4612	2478	4116	2443
OTHER	0	0	0	25	17	0	3	7	0	0	0	0	0	8	0
SOUTH AMERICA	**727**	**338**	**499**	**7488**	**7125**	**2334**	**3090**	**4328**	**1855**	**18620**	**15034**	**8757**	**32130**	**43527**	**27357**
AUSTRIA	0	0	0	4	13	0	67	29	3	4	5	1	12	32	7
BELGIUM/ LUXEMBOURG	3025	1186	410	8603	8504	5506	10759	14994	13057	481	909	556	8991	9450	5560
CZECHOSLOVAKIA	0	0	0	0	0	0	212	19	0	0	0	0	0	0	0
DENMARK	0	0	0	53	657	565	88	139	43	6	9	10	2135	4192	424
FINLAND	0	0	0	14	31	75	249	757	87	3	1	1	251	184	101
FRANCE	0	8	18	2326	2546	1146	389	320	322	262	171	107	621	685	590
GERMANY, DEM. REP.	0	0	0	0	1	0	98	0	0	0	0	0	0	7	0
GERMANY, FED. REP.	208	55	1	2978	1112	675	3079	7685	1502	167	144	81	3182	2667	2105
GREECE	1	0	0	0	21	0	17	15	6	36	0	1	109	154	78
HUNGARY	0	0	0	0	71	0	0	0	0	0	0	0	0	0	0
ICELAND	0	0	0	0	0	0	0	0	0	0	0	0	175	95	85
IRELAND	0	0	0	1907	973	41	230	663	487	5	0	0	292	444	85
ITALY	1	1	0	647	744	481	6499	1376	1503	737	84	37	5359	6509	6666
NETHERLANDS	0	50	0	834	938	745	279	303	971	14	15	22	4632	4693	1379
NORWAY	0	0	0	41	393	71	0	296	225	49	76	19	188	171	21
POLAND	73	0	0	166	110	132	3833	2542	1218	0	203	376	9401	5689	3005
PORTUGAL	0	0	0	589	620	160	97	255	69	0	0	0	64	0	0
SPAIN	0	0	0	433	963	1256	1533	341	131	40	16	11	2888	5832	1808
SWEDEN	0	0	0	179	333	111	1079	479	756	31	28	20	693	1097	526
SWITZERLAND	0	0	0	791	789	50	26	537	164	14	11	7	31	2798	2240
TURKEY	0	1	0	925	33	108	29374	27338	13747	0	87	0	984	4606	4965
UNITED KINGDOM	160	0	3	4853	4259	2326	4721	3892	3467	698	1599	91	3110	1898	1615
U.S.S.R.	0	41	0	0	0	0	1928	0	0	0	0	0	9	0	0
YUGOSLAVIA	506	0	0	1	1	0	1684	1937	549	0	0	0	0	647	0
OTHER	0	0	0	0	0	0	0	0	0	0	0	0	+	4	0
EUROPE	**3974**	**1342**	**432**	**25344**	**23112**	**13448**	**66241**	**63917**	**38307**	**2547**	**3358**	**1340**	**43127**	**51854**	**31260**

See footnotes opposite.

TABLE 10:
SELECTED U.S. EXPORTS BY COUNTRY OF DESTINATION *(CONTINUED)*
THOUSAND POUNDS

COUNTRY	A. CELLULOSIC YARN, MONO & STRIPS			B. NONCELLULOSIC TEXTILE YARN			C. NC INDUSTRIAL YARN, MONO & STRIPS			D. CELLULOSIC STAPLE+TOW			E. NONCELLULOSIC STAPLE+TOW		
	1985	1986	6 MOS. 1987	1985	1986	6 MOS. 1987	1985	1986	6 MOS. 1987	1985	1986	6 MOS. 1987	1985	1986	6 MOS. 1987
AUSTRALIA	1660	1303	308	4670	8524	4209	1683	1569	775	240	201	107	3169	3678	3389
BANGLADESH	0	0	0	75	0	0	0	0	0	0	0	0	0	0	2
CHINA, PRC	0	0	0	110359	44600	605	13930	60	+	42	2511	0	159054	20012	20474
HONG KONG	1	13	3	2687	754	466	4516	290	141	5	101	20	6838	8873	5812
INDIA	0	104	88	241	485	78	2624	2346	1124	240	97	43	4601	2971	1268
INDONESIA	0	0	0	59	113	0	2031	5041	654	0	0	0	453	759	57
IRAQ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ISRAEL	11	70	10	4026	3187	1791	3627	7556	2975	23	9	2	1915	1853	1405
JAPAN	23	3	54	2435	2421	1248	10116	12687	6977	233	207	185	2920	4002	2204
JORDAN	0	0	0	236	85	1	0	0	0	0	0	0	0	0	0
KOREA, REP. OF	361	0	0	597	389	127	742	785	504	1	0	35	12431	8889	6617
LEBANON	0	0	3	0	0	22	2	308	110	0	0	0	0	0	0
MALAYSIA	0	1	0	0	0	0	0	1	0	0	0	0	28	15	14
NEW ZEALAND	9	0	0	949	975	1196	459	419	141	51	12	+	343	485	154
PAKISTAN	0	0	0	139	21	238	30	44	0	0	0	37	12	430	829
PHILIPPINES	2	10	4	134	200	107	787	925	822	10	5	2	3779	4634	2452
QATAR	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0
SAUDI ARABIA	16	0	0	8	3	74	37	15	27	5	0	0	42	149	160
SINGAPORE	0	1	0	5	5	338	123	526	132	0	1	0	127	292	117
SYRIA	0	64	52	320	426	397	0	164	121	0	0	0	797	48	0
TAIWAN	7	2	2	3446	787	906	2147	4567	1131	162	309	588	46387	13108	5006
THAILAND	196	100	19	3	22	48	281	199	97	0	0	0	717	1948	8157
UNITED ARAB EMIRATES	0	0	0	0	0	0	0	1	0	0	0	0	0	6	0
OTHER	3	0	0	+	0	0	2	38	35	3	0	0	14	142	0
ASIA & OCEANIA	**2289**	**1671**	**543**	**130389**	**62997**	**11851**	**43137**	**37541**	**15766**	**1017**	**3453**	**1019**	**243627**	**72294**	**58117**
ALGERIA	0	0	0	2178	0	0	2	2	0	0	0	0	0	0	0
CAMEROON	0	0	0	8	80	49	0	0	0	0	0	0	0	0	2948
EGYPT	0	0	0	2910	1583	1207	76	869	54	0	0	0	9905	6955	1053
KENYA	0	0	0	0	0	0	0	0	0	0	0	0	306	1	0
MOROCCO	0	0	0	110	913	267	307	808	0	0	0	0	461	1663	507
MOZAMBIQUE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NIGERIA	0	28	0	866	1744	49	1	0	4	0	42	0	0	69	220
SOUTH AFRICA	217	34	84	621	219	146	127	32	14	74	50	12	9481	2460	179
SUDAN	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0
TANZANIA	0	0	0	995	0	0	0	0	0	0	0	0	0	0	0
TUNISIA	0	0	0	27	54	0	0	0	210	0	0	0	3	0	0
ZAMBIA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ZIMBABWE	0	0	0	0	21	9	85	0	0	0	0	0	1515	19	341
OTHER	0	0	0	239	152	91	1	120	0	0	0	0	1	30	7
AFRICA	**217**	**62**	**84**	**7954**	**4766**	**1820**	**599**	**1831**	**282**	**74**	**92**	**12**	**21684**	**11197**	**5255**
GRAND TOTAL	**10629**	**7346**	**3263**	**199996**	**134750**	**48708**	[illegible]	**120822**	**63767**	**37824**	**32566**	**17548**	**416512**	**263914**	**188577**

SOURCE: U.S. Census Bureau Report EM546.

+ Less than 1 thousand pounds.

The commodity numbers are less than 1 thousand pounds.

A. 309.0110, .2210, 310.0004 & .0026.

B. 310.0005, .0007, .0010, .0014, .0029, .0034, .0040 & .0044.

C. 309.0120, .0140, .0170, .2220, .2270, 310.0027 & .0032.

D. 309.4219 & .4222.

E. 309.3220, .3240, .3250, .3255, .4240, .4242, .4245, .4246 & .4247.

TABLE 11:
U.S. EXPORTS OF MAN-MADE FIBERS

ITEM	COMMODITY NUMBER AS OF 1/1/78	THOUSAND POUNDS					THOUSAND DOLLARS				
		1983	1984	1985	1986	6 MOS. 1987	1983	1984	1985	1986	6 MOS. 1987
CELLULOSIC FIBERS											
FILAMENT YARN [a]											
TEXTURED	310.0004	239	129	101	102	297	502	337	298	242	634
OTHER [b]	310.0026	15496	8614	10412	7002	2907	16908	10051	13859	9207	4513
MONOFILAMENTS	309.0110	43	12	79	228	2	135	66	178	651	16
STRIPS	309.2210	40	79	37	14	57	56	85	44	16	54
SUBTOTAL ABOVE		**15818**	**8834**	**10629**	**7436**	**3263**	**17601**	**10539**	**14379**	**10116**	**5217**
STAPLE+TOW-RAYON	309.4222	40118	53882	35975	30887	16756	27427	37688	25546	21840	12225
STAPLE-ACETATE	309.4219	3093	2090	1849	1679	792	2677	2337	2535	2182	1075
SUBTOTAL ABOVE		**43211**	**55972**	**37824**	**32566**	**17548**	**30104**	**40025**	**28081**	**24022**	**13300**
WASTE, ADVANCED&NOT ADVANCED	309.7400	1363	1632	1207	2222	668	527	1062	801	1822	610
NONCELLULOSIC FIBERS											
YARN - SINGLES											
NYLON - TEXTURED											
LESS THAN 450 DENIER	310.0005	} 40008	32268	26894	24403	1561	} 58366	50916	39982	42863	4251
MORE THAN 450 DENIER	310.0007					14440					24890
- HIGH TENACITY [c]	310.0027	55606	66732	69386	76870	38262	65096	62515	72294	81880	40911
- OTHER [c]	310.0029	15580	13155	9357	10333	4615	33591	28217	19373	23099	12637
POLYESTER - TEXTURED	310.0010	64040	79753	135997	68753	14780	80399	93889	140792	69534	16385
- HIGH TENACITY [d]	310.0032	12237	9156	32137	23862	11479	15553	11064	29618	27087	13542
- OTHER [e]	310.0034	3713	5968	8934	2347	982	6518	8371	9270	2410	1275
OTHER - TEXTURED	310.0014	12631	7673	10495	21122	8475	16139	12040	14470	27888	14236
- OLEFIN	310.0040	806	340	555	1708	305	1259	485	766	1740	398
- OTHER	310.0044	3610	5261	7766	6084	3550	20983	26909	32505	35562	19744
MONOFILAMENTS, ALL DENIERS											
NYLON	309.0120	2350	2848	2364	5116	3390	10009	10435	9221	12901	7905
POLYESTER	309.0140	2925	3794	5759	6256	4545	7292	10141	14128	13387	8912
OTHER	309.0170	9930	11047	11955	4775	3699	19101	22912	17491	20821	17197
STRIPS	309.2220 & .2270	3242	4460	4204	3943	2392	5402	11398	13903	12945	9697
SUBTOTAL ABOVE		**226678**	**242455**	**325803**	**255572**	**112475**	**339708**	**349292**	**413813**	**372117**	**191980**
STAPLE - NYLON	309.4240	13518	14904	11100	15037	11227	17857	21685	13854	17288	11610
- POLYESTER	309.4242	101255	178903	176697	111270	95878	68307	116843	112222	68239	48890
- ACRYLIC	309.4245	114385	162285	150729	58397	22965	78572	114377	100146	40763	15924
- OLEFIN	309.4246	3698	4368	6974	14623	11412	2746	4088	5754	12670	9424
- OTHER	309.4247	11974	8555	10695	17410	21735	28331	30566	35401	57209	40169
GROUPED FILAMENTS											
NYLON	309.3220	3425	3048	1948	3701	2410	8766	8947	4635	9480	5892
POLYESTER [d]	309.3240	28890	23693	29155	21511	11208	25808	20749	23335	18135	9070
ACRYLIC	309.3250 & .3255	34621	33807	29214	21965	11742	28101	27202	24095	19498	9316
SUBTOTAL ABOVE		**311766**	**429563**	**416512**	**263914**	**188577**	**258488**	**344457**	**319442**	**243282**	**150295**
WASTE, ADVANCED&NOT ADVANCED											
- NYLON	309.7620	11841	12465	5601	8855	6749	6093	6494	3048	4441	3415
- POLYESTER	309.7630	40473	57371	46404	59265	28474	16090	22417	17722	24245	13010
- ACRYLIC	309.7640	2025	4620	4804	6399	5554	773	1365	1286	1372	1634
- OTHER	309.7660	16942	15203	18836	49177	18854	6583	6385	6818	15315	7061
SUBTOTAL ABOVE		**71281**	**89659**	**75645**	**123696**	**59631**	**29539**	**36661**	**28874**	**45373**	**25120**
TOTAL MAN-MADE ABOVE		**670117**	**828115**	**867620**	**685316**	**382162**	**675967**	**782036**	**805390**	**696732**	**386522**
TEXTILE GLASS FIBER	309.2700 & .9700	39413	58101	58328	61160	42790	29553	56385	57787	66134	50728
GRAND TOTAL ABOVE		709530	886216	925948	746476	424952	705520	838421	863177	762866	437250

SOURCE: U.S. Census Bureau Report EM546.

a. Includes thrown, singies and plied yarn.

b. Includes an undetermined amount of rayon tire cord and cord fabric.

c. Includes an undetermined amount of noncellulosic tire cord and cord fabric.

d. Includes zero twist yarns.

e. These data are obviously incorrect because of misclassification. Most of these poundages should be included with filament yarn.

TABLE 12:
U.S. IMPORTS OF MAN-MADE FIBERS

ITEM	COMMODITY NUMBER AS OF 1/1/78	THOUSAND POUNDS					THOUSAND DOLLARS				
		1983	1984	1985	1986	6 MOS. 1987	1983	1984	1985	1986	6 MOS. 1987
CELLULOSIC FIBERS											
YARN - SINGLES											
TEXTURED	310.0106 & .0206	256	1571	190	518	290	290	940	267	610	490
OTHER	310.0130 & .0230[a]	7843	8245	12951	15669	5155	12365	12924	19129	24795	8590
MONOFILAMENTS	309.0310 & .0610	24	5	19	20	5	36	20	44	68	19
STRIPS, $1/LB & UNDER	309.2000*	570	160	763	756	28	396	88	624	646	24
SUBTOTAL ABOVE		**8693**	**9981**	**13923**	**16963**	**5478**	**13087**	**13972**	**20064**	**26119**	**9123**
STAPLE	309.4320 & .4325	12752	15388	11286	16453	7643	8434	10320	6844	12678	6832
GROUPED FILAMENTS	309.3010 & .3310	836	1605	1372	975	290	1312	2619	1471	1305	502
SUBTOTAL ABOVE		**13588**	**16993**	**12658**	**17428**	**7933**	**9746**	**12939**	**8315**	**13983**	**7334**
WASTE, ADVANCED&NOT ADVANCED	**309.6615 & .7510**	**277**	**530**	**479**	**121**	**28**	**164**	**323**	**263**	**79**	**11**
NONCELLULOSIC FIBERS											
YARN - SINGLES											
TEXTURED - NYLON											
LESS THAN 450	310.0107 & .0207	5123	17966	32352	2601	838	8610	26141	35244	5025	1663
MORE THAN 450	310.0108 & .0208				33994	15307				37305	17178
- POLYESTER	310.0110 & .0210	2182	10806	16642	14590	7978	2403	10513	14653	13029	8102
- OTHER	310.0114 & .0214	7659	8939	14723	20477	10234	8986	10536	15732	20187	10145
OTHER - NYLON	310.0149 & .0249	14745	30192	18350	22521	12216	17994	39222	23747	30781	17836
- POLYESTER	310.0150 & .0250	13629	15698	16728	22465	10367	17705	21121	20624	28831	13360
- OTHER	310.0170 & .0270[b]	2739	2468	2520	5130	3292	6730	4139	4203	7837	4297
MONOFILAMENTS	309.0200 & .0330[c]	1737	2857	2059	2722	1732	4721	8817	5537	8197	5657
STRIPS, OVER $1/LB	309.2100 & .2500*	553	1066	1187	1557	1204	3952	5844	5886	6487	3982
SUBTOTAL ABOVE		**48367**	**89992**	**104561**	**126057**	**63168**	**71101**	**126333**	**125626**	**157679**	**82520**
STAPLE - NYLON	309.4330 & .4350	27648	38281	38544	51959	23504	23588	36579	34292	26229	25364
- POLYESTER	309.4335 & .4360	21502	22890	26800	40785	32896	11912	13272	15841	13456	18006
- ACRYLIC	309.4365	13644	13541	17611	17442	7339	12052	12568	16396	7799	6316
- OLEFIN	309.4370	1195	2213	5732	1871	284	911	1630	3879	289	221
- OTHER	309.4340 & .4380	9078	15412	25516	14238	6112	7010	11326	21283	4258	5907
GROUPED FILAMENTS											
NYLON	309.3030 & .3200	19085	23129	29514	38536	15486	27142	33524	40769	58505	24052
POLYESTER	309.3040 & .3340	2035	7104	4980	2354	1875	2268	6569	4715	2392	2254
ACRYLIC	309.3050 & .3350	6642	6929	7518	13065	6487	13631	15116	16548	31792	14714
OTHER	309.3065 & .3365	663	1660	3231	2540	1018	742	2371	4313	3339	1969
SUBTOTAL ABOVE		**101492**	**131159**	**159446**	**182790**	**95001**	**99256**	**132995**	**158036**	**148059**	**98803**
WASTE, NOT ADVANCED											
- NYLON	309.6625	26745	31205	27162	22377	13773	11494	13876	10793	7755	4256
- POLYESTER	309.6630	13004	8042	7149	6304	5802	2503	1325	1143	878	823
- ACRYLIC	309.6645	304	39	283	328	132	76	8	48	182	50
- OTHER	309.6660	2724	4074	2072	8442	2957	1000	2027	607	2142	480
NOILS & GARNETTED FIBERS	309.6000 & .7000*	232	458	155	164	31	82	254	101	123	22
OTHER WASTE, ADVANCED	309.7525 - .7555	3080	6729	3852	2688	2159	1219	1912	890	702	911
SUBTOTAL ABOVE		**46089**	**50547**	**40673**	**40303**	**24854**	**16374**	**19402**	**13582**	**11782**	**6542**
TOTAL MAN-MADE ABOVE		**218506**	**299202**	**331740**	**383662**	**196462**	**209728**	**305924**	**325886**	**357701**	**204333**
OTHER MAN-MADE FIBER TOPS, YARN & THREAD											
YARN - PLIED											
TEXTURED - CELLULOSIC	310.1506	1	1	3	1	+	4	7	7	15	1
- NONCELLULOSIC	310.1015[d]& .1205[e]	8110	12223	10658	10221	2326	11709	17370	9955	11926	3644
OTHER - CELLULOSIC	310.1030 & .1535[f]	93	173	523	478	304	351	723	937	1932	1395
- NONCELLULOSIC	310.1050 & .1070[g]	2054	2763	4950	4857	1637	3594	4447	6795	10007	3819
SPUN YARN - CELLULOSIC	310.4005 & .4030[h]	1091	1724	1739	1879	765	1975	2224	2100	3105	1513
- OTHER	310.4015 & .4027[i]	31487	35583	34260	44691	21396	51623	58127	54897	75910	38909
OTHER YARNS - NES, INCL. CHENILLE	310.6029 - .8000	2955	7517	8912	16759	11534	10969	16210	15640	28555	19093
HANDWORK YARNS & SEWING THREAD	310.9000 - .9140[j]	2654	5445	9283	4593	4524	11898	18111	28952	13846	15990
SLIVER, TOPS & ROVING	309.9000	4755	4544	1941	3298	3156	5193	4792	2334	4467	4091
TEXTILE GLASS FIBER	309.2800 & .2900[k]	20020	23083	34690	24404	10562	13878	19203	27850	23082	11936
GRAND TOTAL ABOVE		**291726**	**392258**	**438699**	**494843**	**252666**	**320922**	**447138**	**475353**	**530546**	**304724**

Source: U.S. Census Bureau Report IM146.

NES - Not elsewhere specified.

+ Less than 1 thousand pounds.

* These items are not reported by the Census as cellulkosic vs. noncellulosic. Any separation between cellulosic and noncellulosic is estimated, based mainly on average declared value.

a. Also includes 310,0510 & .0610.

b. Also includes 310.0530, .0550, .0630 & .0650.

c. Also includes 309.0340, .0365, .0500, .0630. .0640 & .0665.

d. There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

e. Also includes 310.1210, .1510 & .1514.

f. Also includes 310.2110.

g. Also includes 310.1550, .1555, .1570, .2030, .2050, .2130, .2150.

h. Also includes 310.5030.

i. Also includes 310.4046, .4047, 4050, .5015, .5046, .5047, .5049 & .5051.

j. Also includes 310.9300 & .9500.

k. Chiefly roving. Also includes 309.9800 & .9900.

TABLE 13:
U.S. EXPORTS OF MAN-MADE FIBERS
THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/87	1987												YEAR TO DATE	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1987	1986
CELLULOSIC FIBERS															
FILAMENT YARN [a]															
TEXTURED	310.0004	43	100	101	24	17	12	36	28					361	67
OTHER [b]	310.0026	475	365	639	468	654	306	503	372					3782	4705
MONOFILAMENTS	309.0110	0	0	0	2	0	+	39	0					41	64
STRIPS	309.2210	1	1	40	2	13	0	3	11					71	14
SUBTOTAL ABOVE		**519**	**466**	**780**	**496**	**684**	**318**	**581**	**411**					**4255**	**4850**
STAPLE+TOW-RAYON	309.4222	3930	1732	3107	2705	2582	2700	4047	4355					25158	20909
STAPLE-ACETATE	309.4219	33	112	156	112	215	164	144	96					1032	1152
SUBTOTAL ABOVE		**3963**	**1844**	**3263**	**2817**	**2797**	**2864**	**4191**	**4451**					**26190**	**22061**
WASTE, ADVANCED&NOT ADVANCED	309.7400	**231**	**169**	**47**	**134**	**52**	**35**	**50**	**113**					**631**	**1462**
NONCELLULOSIC FIBERS															
YARN - SINGLES															
NYLON - TEXTURED	310.0005 & .0007	2678	2441	2542	2077	2760	3503	2614	3644					22259	16166
- HIGH TENACITY [c]	310.0027	7294	6373	5419	6719	7072	5385	8394	8212					54868	48799
- OTHER	310.0029	636	684	605	753	883	1054	571	639					5825	6777
POLYESTER - TEXTURED	310.0010	2151	2949	3145	2473	2079	1983	1523	1752					18055	59034
- HIGH TENACITY [c]	310.0032	1691	1913	2308	1475	1806	2286	3231	2612					17322	15779
- OTHER [d]	310.0034	160	233	152	75	201	161	122	139					1243	1897
OTHER - TEXTURED	310.0014	1053	1386	1502	1133	1406	1995	1520	1344					11339	17037
- OLEFIN	310.0040	74	35	53	55	16	72	18	157					480	1450
- OTHER	310.0044	389	577	654	748	445	737	488	433					4471	4048
MONOFILAMENTS, ALL DENIERS															
NYLON	309.0120	416	687	641	417	553	676	370	621					4381	3096
POLYESTER	309.0140	322	523	524	587	1447	1142	954	1154					6653	3920
OTHER	309.0170	478	492	875	480	718	656	502	617					4818	3038
STRIPS	309.2220 & .2270	259	424	470	342	537	360	203	375					2970	2727
SUBTOTAL ABOVE		**17601**	**18717**	**18890**	**17334**	**19923**	**20010**	**20510**	**21699**					**154684**	**183768**
STAPLE - NYLON	309.4240	2060	1757	2615	1445	2092	1258	1694	1315					14236	8748
- POLYESTER	309.4242	18819	17019	16575	14494	13960	15011	11006	13848					120732	65754
- ACRYLIC	309.4245	4792	3355	2531	2440	4482	5365	4746	4997					32708	41420
- OLEFIN	309.4246	1893	2016	2642	2075	1583	1203	1849	1701					14962	8662
- OTHER	309.4247	1004	3194	2027	2959	4586	7965	2919	1998					26652	10998
GROUPED FILAMENTS															
NYLON	309.3220	283	737	386	275	259	470	401	350					3161	3873
POLYESTER [d]	309.3240	1941	1832	1578	2318	1728	1811	1233	1095					13536	12611
ACRYLIC	309.3250 & .3255	1653	2207	1805	1980	2329	1768	2395	2116					14253	16330
SUBTOTAL ABOVE		**32445**	**32117**	**30159**	**27986**	**31019**	**34851**	**26243**	**27420**					**242240**	**168396**
WASTE, ADVANCED&NOT ADVANCED															
- NYLON	309.7620	1021	1143	1095	1164	1260	1066	225	892					7866	4874
- POLYESTER	309.7630	2830	4649	5303	5570	5293	4829	3927	4753					37154	39521
- ACRYLIC	309.7640	1086	1362	1545	432	428	701	456	681					6691	4409
- OTHER	309.7660	2543	3090	5034	2174	2633	3380	1485	2039					22378	28147
SUBTOTAL ABOVE		**7480**	**10244**	**12977**	**9340**	**9614**	**9976**	**6093**	**8365**					**74089**	**76951**
TOTAL MAN-MADE ABOVE		**62239**	**63557**	**66116**	**58107**	**64089**	**68054**	**57668**	**62459**					**500289**	**457488**
TEXTILE GLASS FIBER	309.2700 & .9700	5992	6585	7160	7265	7967	7821	6250	7599					56639	38859
GRAND TOTAL ABOVE		**68231**	**70142**	**73276**	**65372**	**72056**	**75875**	**63918**	**70058**					**556928**	**496347**

SOURCE: U.S. Census Bureau Report EM522.

+ Less than 1 thousand pounds.

a. Includes thrown, singles and plied yarn.

b. Includes rayon tire cord and cord fabric.

c. Includes noncellulosic tire cord and cord fabric.

d. Includes zero twist yarns.

TABLE 14:
U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION
THOUSAND POUNDS

	COMMODITY NUMBER AS OF 1/1/87	1987												YEAR TO DATE	
ITEM		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1987	1986
CELLULOSIC FIBERS															
YARN - SINGLES															
TEXTURED	310.0106 & .0206	29	139	0	45	57	20	0	0					290	440
OTHER	310.0130 & .0230[a]	1237	691	891	1000	729	607	704	1026					6885	9308
MONOFILAMENTS	309.0310 & .0610	0	5	0	0	0	0	0	+					5	15
STRIPS, $1/LB & UNDER	309.2000*	1	0	0	0	0	27	12	80					120	634
SUBTOTAL ABOVE		**1267**	**835**	**891**	**1045**	**786**	**654**	**716**	**1106**					**7300**	**10397**
STAPLE	309.4320 & .4325	867	1402	1569	1336	1072	1397	542	1116					9301	10514
GROUPED FILAMENTS	309.3010 & .3310	118	22	91	42	17	0	62	235					587	802
SUBTOTAL ABOVE		**985**	**1424**	**1660**	**1378**	**1089**	**1397**	**604**	**1351**					**9888**	**11316**
WASTE, ADVANCED&NOT ADVANCED	309.6615 & .7510	0	0	0	7	0	21	0	0					28	76
NONCELLULOSIC FIBERS															
YARN - SINGLES															
TEXTURED - NYLON															
LESS THAN 450	310.0107 & .0207	142	163	113	123	147	150	188	228					1254	1996
MORE THAN 450	310.0108 & .0208	2592	2933	3169	3131	1822	1660	1917	1752					18976	20359
- POLYESTER	310.0110 & .0210	1000	2243	1670	1399	1016	650	1165	1062					10205	7915
- OTHER	310.0114 & .0214	1876	2010	1396	1300	1785	1867	1595	3246					15075	12689
OTHER - NYLON	310.0149 & .0249	2008	2121	2350	2348	1695	1694	2086	1757					16059	14061
- POLYESTER	310.0150 & .0250	1918	1327	2088	2006	1590	1438	1693	1191					13251	16768
- OTHER	310.0170 & .0270[b]	445	486	610	680	713	358	725	622					4639	3118
MONOFILAMENTS	309.0200 & .0330[c]	272	281	265	263	354	297	329	310					2371	1765
STRIPS, OVER $1/LB	309.2100 & .2500*	199	196	235	244	169	161	263	223					1690	1061
SUBTOTAL ABOVE		**10452**	**11760**	**11896**	**11494**	**9291**	**8275**	**9961**	**10391**					**83520**	**79732**
STAPLE - NYLON	309.4331 & .4351	5346	4106	5357	3521	2137	3037	1984	3374					28862	31989
- POLYESTER	309.4336 & .4361	5335	5030	5122	4833	6596	5980	6805	7910					47611	24431
- ACRYLIC	309.4366	1216	839	1202	1285	1073	1724	1521	1617					10477	11011
- OLEFIN	309.4371	2	153	42	38	21	28	37	41					362	1614
- OTHER	309.4341 & .4390	479	904	1233	1011	918	1567	1152	1261					8525	12255
GROUPED FILAMENTS															
NYLON	309.3030 & .3200	3012	2523	2383	2409	2436	2723	2548	2867					20901	26455
POLYESTER	309.3040 & .3340	367	279	441	383	260	145	297	53					2225	1278
ACRYLIC	309.3050 & .3350	861	1144	1073	1290	1015	1104	947	1234					8668	9219
OTHER	309.3065 & .3365	139	138	141	178	301	121	160	124					1302	1970
SUBTOTAL ABOVE		**16757**	**15116**	**16994**	**14948**	**14757**	**16429**	**15451**	**18481**					**128933**	**120222**
WASTE, NOT ADVANCED															
- NYLON	309.6625	2279	2182	3100	1454	2026	2732	2280	2160					18213	14702
- POLYESTER	309.6630	1077	823	1475	867	525	1035	377	688					6867	4335
- ACRYLIC	309.6645	20	53	0	18	41	0	18	53					203	249
- OTHER	309.6660	415	518	810	415	460	339	269	199					3425	5550
NOILS & GARNETTED FIBERS	309.7000*	0	0	0	0	0	31	0	0					31	121
OTHER WASTE, ADVANCED	309.7525 - .7555	42	153	67	638	1016	243	848	551					3558	2397
SUBTOTAL ABOVE		**3833**	**3729**	**5452**	**3392**	**4068**	**4380**	**3792**	**3651**					**32297**	**27354**
TOTAL MAN-MADE ABOVE		33294	32864	36893	32264	29991	31156	30524	34980					261966	249097
OTHER MAN-MADE FIBER TOPS, YARN & THREAD															
YARN - PLIED															
TEXTURED - CELLULOSIC	310.1506	0	0	+	0	0	0	2	0					2	1
- NONCELLULOSIC	310.1015[d]& .1205[e]	142	337	528	392	440	487	299	322					2947	8907
OTHER - CELLULOSIC	310.1030 & .1535[f]	8	85	77	43	19	72	12	72					388	382
- NONCELLULOSIC	310.1050 & .1070[g]	336	339	306	285	157	214	252	266					2155	3051
SPUN YARN - CELLULOSIC	310.4005 & .4030[h]	151	112	165	134	60	143	165	222					1152	1765
- OTHER	310.4015 & .4027[i]	2574	3765	3067	3780	4318	3892	3561	2543					27500	30611
OTHER YARNS - NES, INCL. CHENILLE	310.6034 - .8000	1493	1673	1629	2004	1943	2792	2993	2628					17155	10941
HANDWORK YARNS & SEWING THREAD	310.9000 & .9310[j]	831	662	737	690	689	915	811	562					5897	3284
SLIVER, TOPS & ROVING	309.9000	383	279	281	607	585	1021	594	260					4010	2317
TEXTILE GLASS FIBER	309.2800 & .2900[k]	1431	1868	1653	2285	1279	2046	2459	4637					17658	17223
GRAND TOTAL ABOVE		40643	41984	45336	42484	39481	42738	41672	46492					340830	327574

SOURCE: U.S. Census Bureau Report IM145X.

NES Not elsewhere specified.

+ Less than 1 thousand pounds.

* These items are not reported by the Census as cellulosic vs. noncellulosic. Separation of cellulosic and noncellulosic quantities are estimated, based primarily on average declared value.

a. Also includes 310.0610.

b. Also includes 310.0530, .0550, .0630 & .0650.

c. Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.

d. There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

e. Also includes 310.1210.

f. Also includes 310.2110.

g. Also includes 310.1510, .1514, .1550, 1555, .1570, .2050, .2130 & .2150.

h. Also includes 310.5005 & .5030.

i. Also includes 310.4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051.

j. Also includes 310.9320 & .9500.

k. Chiefly roving. Also includes 309.9800 & .9900.

TABLE 15:
SELECTED U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION BY COUNTRY OF ORIGIN

THOUSAND POUNDS

	1987												YEAR TO DATE	
ITEMS & COUNTRY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1987	1986
CELLULOSIC YARN, MONOFIL & STRIPS														
AUSTRIA	0	138	0	43	42	21	0	0					244	30
BRAZIL	86	29	0	28	54	88	29	44					358	191
CANADA	425	368	175	323	285	70	137	180					1963	3185
GERMANY, FED. REP.	442	229	561	363	332	352	370	499					3148	3550
JAPAN	209	10	39	39	6	38	66	16					423	304
MEXICO	3	15	10	102	28	18	58	111					345	360
NETHERLANDS	101	43	105	147	38	40	42	176					692	1381
ALL OTHER COUNTRIES [a]	1	3	1	0	1	27	14	80					127	1396
TOTAL CELLULOSIC YARN	**1267**	**835**	**891**	**1045**	**786**	**654**	**716**	**1106**					**7300**	**10397**
CELLULOSIC STAPLE+TOW														
CANADA	749	1188	1356	1230	841	1185	420	1115					8084	7368
ITALY	88	0	59	51	61	35	78	149					521	248
JAPAN	59	168	168	18	98	61	59	60					691	759
SWEDEN	43	0	0	48	89	39	0	0					219	445
UNITED KINGDOM	46	5	73	24	0	41	42	27					258	493
ALL OTHER COUNTRIES [b]	0	63	4	7	0	36	5	0					115	2003
TOTAL CELLULOSIC STAPLE+TOW	**985**	**1424**	**1660**	**1378**	**1089**	**1397**	**604**	**1351**					**9888**	**11316**
NONCELLULOSIC YARN, MONOFIL & STRIPS														
BELGIUM	1408	1377	559	560	653	849	671	2122					8199	7991
CANADA	890	1976	1613	1605	1802	1214	1426	1726					12252	9879
CHINA, PRC	0	0	94	0	267	30	0	0					391	0
COSTA RICA	729	515	642	589	590	564	585	489					4703	4469
DENMARK	31	62	0	0	32	30	30	0					185	122
FRANCE	686	685	659	648	306	678	331	91					4084	4647
GERMANY, FED. REP.	1744	2397	2421	2740	1373	1347	2176	2052					16250	15137
IRELAND	81	58	0	0	106	79	54	0					378	212
ISRAEL	162	233	90	249	321	97	165	300					1617	2401
ITALY	1202	866	1292	1254	940	985	1020	394					7953	8264
JAPAN	992	570	670	661	525	548	523	691					5180	6090
KOREA, REP. OF	41	21	22	20	60	25	25	25					239	200
MEXICO	1167	2037	2527	1939	1660	871	1829	1268					13298	7718
NETHERLANDS	93	184	151	99	61	62	154	90					894	1038
SINGAPORE	73	0	66	44	21	23	49	55					331	82
SWITZERLAND	253	2	64	2	9	1	15	+					346	437
TAIWAN	14	39	63	46	34	116	104	89					505	745
UNITED KINGDOM	735	596	844	894	483	670	610	773					5605	4397
ALL OTHER COUNTRIES [c]	151	142	119	144	48	86	194	226					1110	5903
TOTAL NONCELLULOSIC YARN	**10452**	**11760**	**11896**	**11494**	**9291**	**8275**	**9961**	**10391**					**83520**	**79732**
NONCELLULOSIC STAPLE+TOW														
AUSTRIA	61	18	130	177	38	312	274	287					1297	208
BELGIUM	21	36	18	18	53	1	+	17					164	304
BRAZIL	0	438	236	379	262	297	0	61					1673	543
CANADA	3125	3071	3201	2248	2236	2507	2725	1771					20884	14697
FRANCE	955	588	532	585	520	1193	279	766					5418	6913
GERMANY, FED. REP.	2586	2359	2194	2463	1766	1951	2805	3147					19271	21591
IRELAND	109	0	0	0	0	344	91	122					666	218
ISRAEL	62	0	31	0	291	36	0	36					456	348
ITALY	2265	1688	2200	980	344	1183	100	853					9613	13271
JAPAN	1849	1582	2230	2472	1577	2390	1698	2317					16115	15412
KOREA, REP. OF	935	947	655	614	1247	956	1106	1254					7714	3400
MALAYSIA	48	95	0	95	87	95	0	48					468	96
MEXICO	1586	1232	1784	824	2080	1303	3161	3339					15309	10252
ROMANIA	372	58	590	88	516	749	339	615					3327	1469
SWITZERLAND	71	152	198	89	17	70	66	34					697	551
TAIWAN	1911	1559	1338	2580	1985	2003	1774	2390					15540	13987
UNITED KINGDOM	777	1280	1522	1264	1635	1032	953	1339					9802	15153
ALL OTHER COUNTRIES [d]	24	13	135	72	103	7	80	85					519	1809
TOTAL NONCELLULOSIC STAPLE+TOW	**16757**	**15116**	**16994**	**14948**	**14757**	**16429**	**15451**	**18481**					**128933**	**120222**

+ Less than 1 thousand pounds.

[a] Italy 79, Taiwan 25, France 15, Australia 5, Belgium1, Korea, Rep. of 1, United Kingdom 1.

[b] Austria 76, Germany, Fed. Rep. 23, France 8, Venezuela 4, Finland 3, Belgium 1.

[c] Spain 241, Romania 145, New Zealand 110, Australia 105, South Africa 88, Argentina 83, Finland 61, Austria 48, Iran 39, Turkey 39, Chili 36, Morocco 33, Norway 32, Philippines 27, Sweden 7, Bangladesh 6, Thailand 4, Brazil 3, Greece 1, Guatemala 1, Iceland 1, El Salvador, Hong Kong.

[d] Denmark 138, Australia 128, Costa Rica 91, Hong Kong 77, Turkey 37, China, PRC 17, Netherlands 16, Spain 11, Portugal 2, India 1, Sweden 1, Philippines.